

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 7/6/22

			YEAR 1			YEAR 2			
Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	
<div>Introduction to Computing <b>CPE/CSC 123 (4)</b>  (or Technical Elective)^</div>	<div>^ CSC Transfer Students with additional STEM transfer college coursework will have credit applied to the CPE 123 requirement. CSC Transfer students that do not have additional STEM transfer college coursework will take an additional 4 units of Technical Electives in a future quarter.</div>		<div>Proj-Based Object-Oriented Programming &amp; Design <b>CSC/CPE 203 (4)</b>  (CPE/CSC 202 with a grade of C-)</div>	<div>Discrete Structures <b>CSC 248 (4)</b> (Previously CSC 348)<sup>1</sup>  (CSC 202 and CSC 203 with grades of C- or better)</div>	<div>Design &amp; Analysis of Algorithms <b>CSC 349 (4)</b>  (CSC 202 and CSC 203; MATH 142; and CSC 248, CSC 348, or MATH 248)</div>	<div>Introduction to Operating Systems <b>CPE 453 (4)</b>  (CPE 357; and CSC 225, CPE/EE 229, or CPE/EE 233)</div>	<div>Programming Languages <b>CSC 430 (4)</b>  (CSC 349)</div>	<div>Choose one:  Compiler Construction <b>CSC/CPE 431 (4)</b> (CSC 430)  OR  CSC Approved Technical Elective <b>(4)^</b>  ***</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><input type="checkbox"/> MATH 141 <input type="checkbox"/> MATH 142 <input type="checkbox"/> MATH 143 <input type="checkbox"/> MATH 206 or MATH 244 <input type="checkbox"/> MATH/STAT Support Elective <input type="checkbox"/> PHYS 141 and PHYS 132/142 and PHYS 133/143 or CHEM 124 and CHEM 125 and CHEM 126 <input type="checkbox"/> Additional Science Support Elective <input type="checkbox"/> Life Science Support Elective (GE AREA B2) <input type="checkbox"/> ENGL 149 (GE AREA A3) <input type="checkbox"/> 4 Units Free Electives <input type="checkbox"/> CPE 101 <input type="checkbox"/> CPE 202 <input type="checkbox"/> GE AREA A1 <input type="checkbox"/> GE AREA A2 <input type="checkbox"/> GE AREA C1 <input type="checkbox"/> GE AREA C2 <input type="checkbox"/> GE AREA LOWER-DIVISION C <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</div></div>		<div>Introduction to Computer Organization <b>CSC 225 (4)</b>  (CSC/CPE 202)</div>	<div>Systems Programming <b>CSC 357 (4)</b> (CSC 202 and CSC 203 with a grade of C- or better; and CSC 225 or CPE/EE 229 or CPE/EE 233.)</div>	<div>Computer Architecture <b>CPE 315 (4)</b>  (CSC 202 and CSC 203; CSC 225, CPE/EE 229, or CPE/EE 233)</div>	<div>Choose One Series: Intro Software Engineering &amp; Tech Elective <b>CSC 307 (4)</b> (CSC 248 or 348; CPE/CSC 357)  OR Software Engineering I &amp; II <b>CSC 308 (4)</b> (CSC 248 or 348)<b>CPE 309 (4)<sup>2</sup></b> (CSC 308; CPE/CSC 357)</div>				
			<div>GE Upper-Division C <b>(4)**</b>  (combine with USCP requirement if still needed)</div>	<div>Approved Technical Elective <b>(4)^</b>  ***</div>	<div>Theory of Computation I <b>CSC 445 (4)</b>  (CSC 248 or 348)</div>	<div>Approved Technical Elective <b>(4)^</b>  ***</div>	<div>Approved Technical Elective <b>(4)^</b>  ***</div>		
		<div>Choose one: Ethics, Science &amp; Tech <b>PHIL 323 (4)*<sup>3</sup></b> OR Professional Responsibilities <b>CSC 300 (4)*</b></div>			<div>Approved Technical Elective <b>(4)^</b>  ***</div>	<div>Choose One Series: Senior Project Lab I &amp; II <b>CSC 491 (2)</b> (CSC 307 or 309; Instr. consent)<b>CSC 492 (2)</b> (CSC 491; Instr. consent)  OR Research Senior Project I &amp; II <b>CSC 497 (2)</b> (CSC 307 or 309; Instr. consent)<b>CPE 498 (2)</b> (CSC 497; Instr. consent)</div>			
		<div>Statistical Methods For Engineers <b>STAT 312</b> * [Upper-Div GE Area B]</div>						<div>Approved Technical Elective <b>(4)^</b>  ***</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>							
			12	12	16	16	14	14	

Notes:

\* 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, D2, D Elective, or E.  
\*\*\* Refer to your catalog for course selection.  
^ Cannot double count units with technical electives and major/support requirements.  
<sup>1</sup> CSC 348 on the 20-21 catalog is now offered as CSC 248. CSC 348 is no longer offered.  
<sup>2</sup> If taken, CSC/CPE 309 counts as a Technical Elective. Students in the Interactive Entertainment Concentration are advised to take CSC 307 instead of CSC 308 and CSC 309.  
<sup>3</sup> PHIL 323 also fulfills GE UD C requirement.

Legend:

Course Title

Course # (Units)

(Prerequisite)

[GE Area]

Major

Support

General Ed.