

Name:

EMPL ID:



B.S. in COMPUTER SCIENCE
Suggested Academic Flowchart for Transfer Students

2020-2021 Catalog
Unofficial

DATE UPDATED:

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 7/25/19

			YEAR 1			YEAR 2				
Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring		
Introduction to Computing CPE/CSC 123 (4) (or Technical Elective) **	** CSC Transfer Students with articulated community college coursework equivalent to CPE 203 or additional STEM transfer college coursework, will have credit applied to the CPE 123 requirement. CSC Transfer students that do not have articulated community college coursework equivalent to CPE 203 or additional STEM transfer college coursework, will take an additional 4 units of Technical Electives in a		Proj-Based Object-Oriented Programming & Design CSC/CPE 203 (4)	Discrete Structures CSC 348 (4) (CSC/CPE 102 & 103 or 202 & 203. Min C-. Or Instr. Consent)	Design & Analysis of Algorithms CSC 349 (4) (CSC 141 or CSC 348 & MATH 142; or CPE/CSC 102 & 103 or CPE/CSC 202 & 203 & MATH 248)	Introduction to Operating Systems CPE 453 (4) (CPE 357; CPE 225, 229, or 233)	Programming Languages I CSC 430 (4) (CSC 349 & CSC/CPE 357)	Compiler Construction CSC/CPE 431 (4) (CSC 430)		
<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"> <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 and PHYS 133 or CHEM 124 and CHEM 125 and CHEM 126 <input type="checkbox"/> Additional Science 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 (listed as "Upper Division Elective" on Curriculum Sheet) <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 			Introduction to Computer Organization CSC 225 (4) (CSC/CPE 202-formerly CSC/CPE 103)	Systems Programming CSC 357(4) (C- or better in CSC/CPE 102 & 103 or 202 & 203; & CSC 225 or 229 or CPE/EE 233. Or Instr. Consent.)	Choose One: Professional Responsibilities CSC 300 (4) OR Ethics, Science & Tech PHIL 323 (4)	Choose One Series: Intro Software Engineering & Tech Elective CSC 307 (4)* (CSC 141 or 348; CPE/CSC 357) OR Software Engineering I & II CSC 308 (4) (CSC 141 or 348; CPE/CSC 357)	Tech Elec (4) *	Approved Technical Elective (4)^ ***		
			Statistical Methods for Engineers STAT 312 (4) (MATH 142) [B6]	GE Upper-Division C (4) (combine with USCP requirement if still needed)	Computer Architecture CPE 315 (4) (CPE 102 & 103; or CPE 202 & 203; & CSC 225, CPE 229 or 233)	Theory of Computation I CSC 445 (4) (CSC 141 or 348)	Approved Technical Elective (4)^ ***	Approved Technical Elective (4)^ ***	Approved Technical Elective (4)^ ***	Approved Technical Elective (4)^ ***
					Approved Technical Elective (4)^ ***	Approved Technical Elective (4)^ ***	Choose One Series: Senior Project Lab I & II CSC 491 (2) (CSC 307 or 309; Instr. consent)		CSC 492 (2) (CSC 491; Instr. consent)	
							Research Senior Project I & II CSC 497 (2) (CSC 307 or 309; Instr. consent)		CPE 498 (2) (CSC 497; Instr. consent)	
						Graduation Writing Requirement GWR* (Students can attempt to fulfill the requirement after 90 earned units; students should complete the requirement before senior year)				
			16	12	16	16	14	14		

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.
- ^ Cannot double count units.
- † Course can be taken previously or concurrently.
- ‡ 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.

Legend:

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