CAL POLY
SAN LUIS OBISPO

B.S. in SOFTWARE ENGINEERING
Suggested Academic Flowchart for Transfer Students Admitted Fall 2023

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

Introduction to Computing
CPE/CSC 123 (4)^
(or Technical Elective)

^SE 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.

This Transfer Student Flowchart assumes equivalents for the courses below have been transferred to Cal Poly. Anything not transferred, needs to be added to this flowchart, which may result in an additonal quarter/s. Check your DPR to verify credit:

- ☐ MATH 141
- ☐ MATH 142
- ☐ MATH 143
- ☐ MATH 241
- ☐ MATH 244
- ☐ PHYS 141 and PHYS 132/142 and PHYS 133/143 or CHEM 124 and CHEM 125 and CHEM 126
- ☐ Life Science Support Elective (GE AREA B2)
- ☐ ENGL 149 (GE AREA A3)
- ☐ CPE 101
- ☐ CPE 202
- ☐ CPE 203
- ☐ CSC 225
- ☐ CSC 248[2]
- ☐ PSY 201/202
- ☐ GE AREA A1
- ☐ GE AREA A2
- ☐ GE AREA C1
- ☐ GE AREA C2
- ☐ GE AREA LOWER-DIVISION C
- ☐ GE AREA D1
- ☐ GE AREA D2
- ☐ GE AREA D ELECTIVE

	YEAR 1			YEAR 2		
	Fall	Winter	Spring	Fall	Winter	Spring
	Introduction to Database Systems **CSC 365 (4)** (CSC 248 or CSC 348; or CPE/CSC 202 and CPE/CSC 203 and MATH 248)	*Software Engineering I* **CSC 308 (4)** (CSC 248 or CSC 348)	*Software Engineering II* **CSC 309 (4)** (CSC 308 & CSC/CPE 357)	*Software Requirements Engineering* **CSC/CPE 402 (4)** (CSC 307 or 309)	*Software Construction* **CSC/CPE 405 (4)** (CSC 305 & 402)	*Senior Project: Software Deployment* **CSC/CPE 406 (4)** (CSC 405)
	Individual Software Design & Development **CSC 305 (4)** (CSC/CPE 203)	*Design & Analysis of Algorithms* **CSC 349 (4)** (CPE/CSC 202 and CPE/CSC 203; MATH 142; and CSC 248, CSC 348, or MATH 248)	*Programming Languages* **CSC 430 (4)** (CSC 349)	*User-Centered Interface Design & Development* **CSC 484 (4)** (CSC 307 or 308; junior standing)	Approved Technical Elective **(4)**[1] ***	Approved Technical Elective **(4)**[1] ***
	*GE Upper-Division C (4)*** (combine with USCP requirement if still needed)	*Systems Programming* **CSC/CPE 357 (4)** (CSC/CPE 202 and CSC/CPE 203 with a grade of C- or better; and CSC 225 or CPE/EE 229 or CPE/EE 233)	**Choose one:** **IME 314 (3)** (Math 241) **OR** **IME 315 (3)** (Math 142)	**Choose one:** *Teamwork* **PSY 350 (4)** (PSY 201 or 202) **OR** *Small Grp Comm* **COMS 217 (4)**	Math Elective (Choose one): **MATH 248, 304, 335, 336, or 451 (4)** *	Approved Technical Elective **(4)**[1] ***
	Choose one: *Ethics, Science & Tech* **PHIL 323 (4)*** Double counts with Upper Division C **OR** *Professional Responsibilities* **CSC 300 (4)***		Statistical Methods For Engineers **STAT 312* (4)** [Upper-Div GE Area B]	any remaining major, support or GE not transferred in	Approved Technical Elective **(4)**[1] ***	any remaining major, support or GE not transferred in

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.)

16	12	15	12+	16	12+

Legend:

Course Title
Course # (Units)
(Prerequisite)   [yellow] **Major**

        [orange] **Support**

[GE Area]   [green] **General Ed.**

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.
[1] Consultation with advisor is recommended prior to selecting approved electives; bear in mind your selections may impact pursuit of post-baccalaureate studies and/or goals. A total of 20 technical elective units selected from upper-division and graduate CSC and CPE courses open to those in the major and not otherwise required by the major. An additional 4 units of CPE/CSC technical electives may substitute for CSC 123 in major requirements
[2] CSC 348 on the 20-21 catalog is now offered as CSC 248. CSC 348 is no longer offered.