

SOFTWARE ENGINEERING

2026-2028 Semester Catalog
THIS IS AN EXAMPLE

Fall 2026 Transfer Flowchart

2-Year Semester

TOTAL SEMESTER UNITS REQUIRED : 120

Catalog Notes & Suggestions
Below is an example of a pathway for a transfer student who is **on the Semester Catalog**.

NOTE ABOUT TRANSFER CREDIT

Below is a list of courses that you may have transfer credit for. Anything not transferred, needs to be added to your graduation plan, which may result in additional terms.

POTENTIAL CAL POLY EQUIVALENT TRANSFER CREDIT				YEAR ONE 2026-2027		YEAR TWO 2027-2028			
				FALL	SPRING	FALL	SPRING		
<p>Introduction to Computing CSC 1024 (2) Credit* -or- Technical Elective (2)*</p> <p>* SE Transfer Students with Additional STEM transfer college coursework or AP CSC test credit will have credit applied to CSC 1024. If you do not have credit, you will take an additional 2 units of Technical Electives in a future term.</p>				<p>CSC 3000 (3) Transfer Student Orientation and Workshop CPE/CSC 202 or CSC 2001. [Fulfills CSC 1000]***</p>				<p>CSC 4160 (4) Software Engineering Capstone I CSC 3100</p>	
<p>Fundamentals of Computer Science CSC 1001 (3) One of the following: MATH 117, MATH 118, MATH 1004, or MATH 1006 with a grade of C- or better. Concurrent: CSC 1001L</p>				<p>CSC 3001 (4) Modern Application Development CPE/CSC 202 or CSC 2001</p>				<p>CSC 4161 (4) Software Engineering Capstone II Sr. Standing; CSC 3665 or CSC 3001, and CSC 4160</p>	
<p>Fundamentals of Computer Science Laboratory CSC 1001L (1) One of the following: MATH 117, MATH 118, MATH 1004, or MATH 1006 with a grade of C- or better. Concurrent: CSC 1001</p>				<p>CSC 2050 (3) System Software Mechanics CPE/CSC 202 or CSC 2001 with a grade of C- or better</p>				<p>CSC 3300 (3) Programming Languages CSC 349 or CSC 3449</p>	
<p>Data Structures CSC 2001 (3) CPE/CSC 101 or CSC 1001 with a grade of C- or better. Concurrent: CSC 2001L</p>				<p>CSC 3100 (4) Software Engineering CPE/CSC 202 or CSC 2001</p>				<p>Technical Elective (3) *</p>	
<p>Data Structures Laboratory CSC 2001L (1) Concurrent: CSC 2001</p>				<p>MATH 2031 (3) Transition to Advanced Mathematics One of the following: MATH 143, MATH 1262, MATH 1263, or DATA/MATH 1265</p>				<p>CSC 3660 (2) Database Options: CSC 2001 and MATH 2031 -or- CSC 3665 (4)** CSC 2001 and MATH 2031</p>	
<p>Choose one: CHEM 1120 (4) -or- PHYS 1141 (4) * [GE 5A & 5C]</p>				<p>CSC 3201 (3) Introduction to Computer Security CPE/CSC 357 or CPE/CSC 2050</p>				<p>Software Engineering Elective (3-4) *</p>	
<p>Linear Algebra MATH 1151 (3) One of the following: MATH 141, MATH 1261, or DATA/MATH 1264</p>				<p>PSY 2201 (3) Introductory Psychology [GE 4B]</p>				<p>Technical Elective (2) ***</p>	
<p>Calculus I MATH 1261 (4) -or- Calculus for Data Science I MATH 1264 (4) *</p>				<p>CSC 3449 (4) Algorithms and Complexity CSC 248 or MATH 248 or MATH 2031; and CPE/CSC 202 or CSC 2001</p>				<p>MATH/STAT/ Science Elective (3) See Catalog for options *</p>	
<p>Calculus II MATH 1262 (4) -or- Calculus for Data Science II MATH 1265 (4) *</p>				<p>PHIL 3323 (3) Ethics, Science, and Technology * [GE UD 3]</p>				<p>MATH/STAT/ Science Elective (3) See Catalog for options *</p>	
<p>LIFE SCIENCE SUPPORT ELECTIVE (4) See Catalog for options [GE 5B]</p>				<p>COMS 2217 (3) Select ONE from the following: COMS 2217 (3) -or- PSY 3350 (4)** *</p>				<p>Upper-Division Area 4: Social & Behavioral Sciences GE UD 4 (3)^ Area 4 courses must come from at least two different prefixes *</p>	
<p>Written Communication GE 1A (3) *</p>				<p>STAT 3210 (3) Engineering Statistics * [GE UD 2/5]</p>				<p>Choose One: WGQS 3350 -or- WGQS 3351 (4)^ *</p>	
<p>Critical Thinking GE 1B (3) *</p>				<p>18 SEM.</p>				<p>20 -22 SEM.</p>	
<p>Oral Communication GE 1C (3) *</p>				<p>18-19 SEM.</p>				<p>16-17 SEM.</p>	
<p>UNITS</p>									

**CSC 3000 will satisfy CSC 1000, CSC 1001L, and CSC 2001L. If a student has credit for CSC 1001L and/or CSC 2001L, the excess units will be applied towards Technical Electives.

Anything not transferred, needs to be added to your plan on the right, which may result in additional terms.

Please Note: These flowcharts are an example and not a template of your individualized plan. You will need to consult the Catalog and Degree Progress Report for detailed information about what you need to graduate.

- *Refer to transfer catalog for course requirements
- ** Will satisfy Technical Elective units as well: PSY 3350, 1 unit; CSC 3665, 2 units
- *** CSC 3000 will satisfy CSC 1000, CSC 1001L, and CSC 2001L. If a student has credit for CSC 1001L and/or CSC 2001L, the excess units will be applied towards Technical Electives.
- ^ Double counting opportunity. Free electives may be needed to meet unit total.

Course Color Key

MAJOR	GE
SUPPORT	CONCENTRATION
	FREE ELECTIVE

Additional Requirements

Click the links below to learn more about how to complete these requirements before graduation.

- [U.S. CULTURAL PLURISM \(USCP\)](#)
- [GRADUATION WRITING REQ. \(GWR\)](#)