

Transfer Guide

Cal Poly SLO - Lower Division Major Preparation

All transfer applicants must have a minimum of **60 transferable semester (90 quarter) units** completed prior to transfer. For Fall Term admission, applicants must have the coursework completed no later than the end of the previous Spring Term. Completing courses does not guarantee admission, but does help maximize your opportunities for selection. It is not expected that transfer students to this major will have full completion of all G.E. requirements. The admissions process also looks at GPA and work experience/extra curricular activities when calculating points. **Courses in grid below are necessary to be competitive.** *Students are strongly encouraged to meet with a Cabrillo counselor to prepare an individual education plan.*

	Physics	Chemistry	Calculus/Diff. Eq./Lin Alg.	Statics	Comp Prog/Other	Electrical Circuits	Materials	Graphics
Aero	4ABC	CHEM 1A	MATH 5ABC,6,7	ENGR 35		ENGR 15	ENGR 45	
Architectural ¹⁰	4ABC	CHEM 1A	MATH 5AB,6,7	ENGR 35	NEC ⁵	ENGR 15	NEC	NEC
Biomedical ¹¹	4ABC	CHEM 1A ⁷	MATH 5ABC,6,7	ENGR 35	CS 11 or 19	ENGR 15	ENGR 45	ENGR 25 & ENGR 26
Bio Res and Ag ¹	4ABC	CHEM 1A ⁷	MATH 5ABC, 6, 7	ENGR 35	NEC	NEC	NEC	ENGR 25
Civil ²	4ABC	CHEM 1A	MATH 5ABC,6,7	ENGR 35	NEC	ENGR 15 (elective)	ENGR 45	ENGR 25
Computer ³	4ABCD	CHEM 1A	MATH 5ABC,6,7 MATH/CS 23	ENGR 35	Take 2 of 3: (CS 11, 19, 20J) CS 21	ENGR 15	ENGR 45	
Electrical ¹²	4A-D	CHEM 1A	MATH 5ABC,6,7		CS 11 or 19	ENGR 15		
Environ ⁵	4ABC	CHEM 1AB	MATH 5ABC,6,7	ENGR 35	NEC		NEC	ENGR 25
Gen. Eng. ¹³	4ABC	CHEM 1A ⁷	MATH 5ABC,6,7	ENGR 35	CS 11 or 19	ENGR 15	ENGR 45	
Industrial/Manu. ⁶	4ABC	CHEM 1A	MATH 5ABC,6,7	ENGR 35	NEC	ENGR 15	ENGR 45	ENGR 25 & ENGR 26
Materials ¹⁴	4ABC	CHEM 1A	MATH 5ABC,6,7	ENGR 35	CS 11 or 19	ENGR 15	ENGR 45	
Mech. ¹⁵	4ABC	CHEM 1A	MATH 5ABC,6,7	ENGR 35	CS 11 or 19	ENGR 15	ENGR 45	ENGR 25 & ENGR 26
Software Engr. Computer Science ⁸	4ABC (see note #8)	CHEM 1AB (see note #8)	MATH 5ABC, 6, 7	ENGR 35	CS 11, (19 or 20J), 21, & 23 (or MATH 23)			
Physics ⁹	4ABCD	CHEM 1AB	MATH 5ABC, 6, 7					
Math ^{9 16}	4A (B or C)		MATH 5ABC, 6, 7		CS 11 or 19			

NOTES:

1. Take Bio 6, Engr 1A (surveying), Hort 2, and Econ 1A
2. Take Engr 1A (surveying) and Geol 10.
3. Take Engr 35, Engr 45, or Chem 1B (electives).
5. Take Chem 30B and Bio 6.
6. Visual Basic and Excel needed for programming requirement. Major needs Psych 1.
7. Student must petition the one 5-unit Chem class (Chem 1A at Cabrillo) to satisfy Chem 124/125 at SLO. Student must have excess units in Physics to make up for the unit difference.
8. Take Chem sequence or Physics sequence. Take Bio course (see assist). SE take Psych 1. SE take 4 units from Engr 15, Engr 45, Chem 12A or B. CS take Psych 6.
9. Critical Thinking required
10. Take Surveying (Engr1A), Geol 10, and Etech 60.
11. Take Bio 1A & Bio 6
12. Take 6 semester Units from Engr 45, Engr 35, CS 21, CS 23, Bio 11A, Chem 1B, 30B (electives). Engr45 or CS courses recommended by Cabrillo.
13. Take 6 semester Units from Phys4D, Geol 10, Meteo 1/1L

14. Take Engr 5. Take 8 qtr. Units from Engr 1A, Bus 18, Acct 1A, Chem 12A, Chem 12B, Econ 1B, Geol 1, Geol 10, Phys 4D, Psych 8
15. Cabrillo recommends Engr 12.
16. Take additional elective units (see assist).

Courses shown in *italics* in table are required for completion of the BS major but not in Selection Criteria.

General Education Notes

Courses (underlined) are required for minimum point consideration and must be completed prior to transfer to Cal Poly.

Area A1 - Speech Communication – (COMM 1)

Area A2 - English Composition (Engl 1A)

Area A3 - Must take Engl 149 (Technical Writing) at Cal Poly

Area B2 - Life Science (no lab required) – Must take Bio/BRAE/Engr 213 at Cal Poly or Bio 11A at Cabrillo

Area C1 – Fine and Performing Arts

Area C1 or C2 – Arts and Humanities

Area C2 – Philosophy (Phil 10)

Area D – Social Sciences

Area D - Political Science (PS 1)

Area D - US History

Area E – Lifelong Learning and Self-Development

The following GE courses represent a starting point in planning general education. These are courses that will help meet minimum admission and general education requirements for most transfer institutions, but may not meet all admission requirements. NOTE: English 2 (as well as other GE courses) may also be required, depending on your specific goals. IMPORTANT: You must meet with a counselor to confirm the needed and most appropriate GE courses.

- Comm 1
- English 1A/1AH/1AMC/1AMCH
- English 1B
- US History: Hist 14, 15, 17A, 17AH, 17B, 17BH, 18A, 19B, 21A, 21AH, 21B, 21BH, 29A, 29B
- Political Science 1 or 5

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