**Updated:** 

## Updated By:

should complete the requirement before senior year)

15-17

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This document displays only your course requirements

You must use your Degree Progress Report to track all your graduation requirements.

at the time of publication of the catalog.

## CAL POLY

B.S. in CIVIL ENGINEERING
Suggested 4-Year Academic Flowchart

FRESHMAN SOPHOMORE JUNIOR SENIOR Winter Introductory Experiments in Computer Aided Drafting in Civil Engineering Programming Applications in Engineering Senior Design Project I and II Civil Engineering Transportation Engineering CE 113 (2) CE 222 (1) CE 251 (2) Professional (CE 113; CE 204 or 208†; MATH 244) Practice Introduction to CE 465 (1) CE 466 (3)<sup>3</sup> CE 467 (3)3 Structural Engineering Civil Engineering in CF Materials I Materials II CE 321, 322, 336, 337, (Sr Standing and Ins CE 112 (2) CE 352 (4) (CF 466) CE 111 (1) CE 204 (3)1 CE 207 (2)1 55, 371, 381, 382, 465) Civil Engineering Materials Reinforced Concrete Design General Chemistry General Chemistry Enaineerina Enaineerina Approved pproved Technica approved Technica for Physical Science or Physical Science CE 259 (2) CE 355 (4) Technical Elective Statics Dynamics Elective Elective & Engineering I & Engineering II Fundamentals of Transportation Engineering and Lab CHEM 124 (4) CHEM 125 (4) ME 211 (3) ME 212 (3) (4)<sup>3</sup> (4)<sup>3</sup> (4)<sup>3</sup> CE 321 (3) & CE 322 (1) MATH 241†: PHYS 1 MATH 241: ME 211 (CHEM 124) [B1 & B3] Water Resources Engineering and Hydraulics Lab CE 336 (4) & CE 337 (1) Calculus I Calculus II Calculus III Calculus IV Linear Analysis . Approved pproved Technica Approved Technica Technical Elective Elective Elective MATH 141 (4) MATH 142 (4) MATH 143 (4) MATH 241 (4) MATH 244 (4) ATH 141 w/min C MATH 142 w/min C-CE 381 (4) & CE 382 (1) (4)<sup>3</sup> (4)<sup>3</sup> (4)<sup>3</sup> Instr. Consent) Instr. Consent) (MATH 143) (MATH 143) [B4] [Area B Elective CE/CM 371 (4) Engineering General Physics Materials General Physics 1 General Physics II Fluid Mechanics I Survevina IIIEnaineerina BRAE 239 (4) MATE 210 (3) PHYS 141 (4) PHYS 142 (4) PHYS 143 (4) ME 341 (3) ENVE 331 (4) HEM 111, 124, or 12 PHYS 141; MATH 142 (PHYS 141; MATH 142 MATH 242 or 244; M (MATH 119) Recom: MATE 215 concur.) Recom: MATH 241) [Area B Elective Statistical Methods for Engli STAT 312 (4)\* [Upper-Division B] Take concurrently COMS 101/102 (4)\*\* Materials Physical Geology Laboratory I Approved Engineering Science Elective BIO 213 (2) &  $(2-4)^2$ BMED 213 (2) **GEOL 201 (3)** MATE 215 (1) ENGL 133/134 (4)\*\* MATH 142. Recom (MATE 210†) (MATH 119) [A2] GE (4) ΓB21 COMS 126, 145, ENGL 145, 147, ES 145, PHIL 126, or WGQS 145 (4)\*\* GE (4) Can be taken anytime between Winter of Freshman and Winter of Sophomore Years **Graduation Writing Requirement** (Students can attempt to fulfill the requirement after 90 earned units; students

## Notes:

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## MOST GENERAL EDUCATION COURSES CAN BE TAKEN IN ANY ORDER AS LONG AS PREREQUISITES ARE MET

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\* Refer to current catalog for prerequisites.

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\*\* One course from each of the following GE areas must be completed: A1, A2, A3, C1, C2, Lower-Division C Elective, Upper-Division C, D1, Area D Elective, Lower-Division E, & F. Upper-Division C should be taken only after Junior standing is reached (90 units).

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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, Upper-Division D, or E.

- \*\*\* Refer to current catalog for course selection and guidelines for technical electives
- † Course can be taken previously or concurrently.
- <sup>1</sup> Transfer students take CE 208 (5) in the Fall Quarter in place of both CE 204 (3) and CE 207 (2)
- <sup>2</sup> 2-4 units Approved Engineering Science Elective. See catalog. No double-counting of coursework with other requirements. Consultation with advisor recommended.

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<sup>3</sup> 24 units Technical Electives. See catalog for course options and additional guidelines.



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TOTAL:

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190-192