CALPOLY

B.S. in LIBERAL STUDIES (Biology Concentration)

Suggested 4-Year Academic Flowchart

SOPHOMORE FRESHMAN JUNIOR SENIOR Winter Spring Fall Winter Fall Winter Spring Spring Winte Spring Choose One: Senior Project sual Arts in th Concepts & lealth Education Statistics Algebraic Thinking opics in Applied Seminar / Seminar Applications in Flementary Flementary Flementary Flementary for Teachers with Technology Linguistics Integration LS 461 (4)3 Teaching II Classroom Teaching I Teaching III Flementary PF STAT 130 or Course or HITH/KINE MATH 328 (4) MATH 329 (4) MATH 330 (4) KINE 310 (3) ENGL 391 (4) LS 411 (4)* 443 (4) LS 211 (4) 217 (4)1 MATH 227 (4)1 Research LS 412 (4) (Jr Standing; GE Areas B2 & E) Min C- in MATH 22 (GF Area A: 1 LS 462 (4)* (MATH 328) (MATH 329) (Jr Standing) or Instr. Consent Standing) [B4] LS 413 (4)* ield Experience Constitutional Children's Children's Learning Storvtellina: Performina Arts Theories, Methods, Field Experience in Liberal Studies Orientation to Issues in the in the Literature in a & Dev in Educ Modern in the & Assessment of the Elementary Liberal Studies Flementary History of U.S. 8 Diverse Society Settinas Applications of Elementary 1st. 2nd Lana Classroom II Preparation Trad'l Narrative Classroom I CA Education LS/ENGL 255 Classroom Acquisition in CD/FDUC 207 Schools LS 201 (1) LS 230 (2) LS 214 (4) LS 250 (2) (4) LS 301 (1) LS 310 (4) LS 370 (4) (4) (GE Area A) Soph Standing; PSY Standing. Core (LS 211; GE C1 FDUC 427 (4) (GE Area A1) 201 or 202) LS 201) Recom: LS 310) [Lower-Div C (Sr Standing. Recom: ENGL 391 The Physical Atoms and Biology of Plants Global Geography Matter and Energy Environment. General Biology troduction to the Molecules and Animals Foundations of K-8 Solar System Literacy Teaching 8 PSC 101 (4)1 PSC 102 (4) PSC 103 (4) BIO 111 (4)1 BIO 211 (4) GEOG 308 (4) Learning in Schools (PSC 101 or PHYS ASTR 101 (4) (Jr Standing; GE PSC 101 or PHYS BIO 111 Recom w/ Diverse Area A. B1. & D1) 121 or 131 or 141 21 or 131 or 141 STAT 130 or 217) Populations Recom: PSC 102) [GE Elective] [B2 & B3] [Upper-Div D] Approved Approved Human Genetics Microbiology Concentration Concentration EDUC 428 (4)4 Philosophical Elective Elective World History I United States Survey of Psychology Classics BIO 302 (4) MCRO 221 (4) History to 1865 alifornia History **HIST 210** PSY 201 or PHTI 230 or (CHEM 110, 111, $(4)^{2}$ $(4)^{2}$ Approved 123, 161, 213, or HIST 208 (4) 124, 127, or PSC HIST 201 (4) $(4)^{1,2}$ 202 (4)¹ 231 (4)¹ Concentration BOT 121, Recom 102) Elective [E] $(4)^{2}$ Expository Writing ENGL 133/134 (4)** [A2] GE (4) GE (4) GE (4) GE (4) GE (0-4) Can be taken anytime during Freshman Year Oral Communication COMS 101/102 (4)** [A1] Declare your Concentration. Free Electives Can be taken anytime during Freshman Yea *** (3-7)³ Reasoning, Argumentation, & Writing [A3] **Graduation Writing Requirement** COMS 126; COMS/ENGL 145; ENGL 148; PHIL 126 (4)** Visit the School of Education credential office in Bldg 2, Room (Students can attempt to fulfill the requirement after 90 earned (Completion of GE A2 with a C- or better) units; students should complete the requirement before senior 120 for information on applying to the Multiple Subject year) credential program Can be taken anytime between Winter of Freshman and Winter of Sophomore Years 17 14 14 16 16 13 15 16 12 15 16 TOTAL: 180 Notes:

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

- * Refer to current catalog for prerequisites.
- ** One course from each of the following GE areas must be completed: A1, A2, A3, Upper-Division B, C1, Upper-Division C, D2, and a GE Elective. Upper-Division B and Upper-Division C should be taken only after Junior standing is reached (90 units). NOTE: Upper-Division B may be fulfilled in concentration courses.

Refer to online catalog for GE course selection and Graduation Writing Requirement (GWR).

- ^ Please see an advisor in the Spring of your Junior year for assistance with the graduation evaluation and to make plans to complete all multiple subject CSET tests and Basic Skills Requirement in preparation for applying to the multiple subject credential
- Required in Major; also satisfies GE.
- ² Select three from the following courses (12 units): BIO 114, 231, 232, 305, 308, 335; BOT 311, 326; MCRO 342, 421; MSCI 307, 330, 440. Some courses satisfy Upper-Division B.
- ³ If Upper-Division B courses are used to satisfy Concentration requirements, additional free elective units may be required to satisfy 180 units for degree.
- ⁴ Prerequisite for Multiple Subject Credential program at Cal Poly. For a credential program elsewhere, check the prerequisites for that institution.

Legend: Major (113) Course Title Course # (Units Support (12) (Prerequisite) Concentration (20) [GE Area] General Ed. (28-32)3 Free Electives (3-7)3