CAL POLY

B.S. in LIBERAL STUDIES (Mathematics Concentration)

Suggested 4-Year Academic Flowchart

SOPHOMORE JUNIOR FRESHMAN SENIOR Spring Spring Spring Spring Choose One: Senior Project Health Education Math for Math for Concents & Orientation to Statistics Math for Elementary Igebraic Thinking Seminar opics in Applied Elementary Flementary Applications in Seminar / for Teachers Liberal Studies Teaching I with Technology Linguistics LS 461 (4)* Teaching II Teaching III Elementary PE tegration Cours STAT 130 or HLTH 443 (4) 217 (4)² MATH 227 (4)1 LS 411 (4)* LS 201 (1) MATH 328 (4) MATH 329 (4) MATH 330 (4) KINE 310 (3) ENGL 391 (4) Research LS 412 (4)* (MATH 95) Min C- in MATH 22 (Jr Standing; GE LS 462 (4)* (Jr Standing; GE (MATH 328) (MATH 329) (Jr Standing) [B4] or Instr. Consent Area A w/min C-LS 413 (4)* Areas B2 & F) Constitutional Children's Storytelling. Performing Arts Field Experience isual Arts in th Field Experience in Liberal Studies Issues in the Literature in a ntroduction to the Modern the Elementary Elementary the Elementary Career Diverse Society History of U.S. & Solar System Applications of Elementary Classroom I Classroom Classroom II Preparation CA Education Trad'l Narrative Classroom LS/ENGL 255 LS 230 (2) LS 211 (4) LS 214 (4) LS 250 (2) LS 370 (4) (4)¹ ASTR 101 (4)1 LS 301 (1) LS 310 (4) GE Area A w/min C (Jr Standing; LS (LS 211: GE Area GE Area A1 w/min C [Lower-Div C] [B1] 201) 1. Recom: LS 310 Children's Learnin Atoms and The Physical Biology of Plants & Assessment of iteracy Teaching Matter and Energy General Biology & Dev in Educ Global Geography 1st, 2nd Lang Molecules nvironment: Earth and Animals Learning in Schools Settings Acquisition in w/ Diverse PSC 102 (4) PSC 103 (4) BIO 111 (4)1 BIO 211 (4) **GEOG 308 (4)** PSC 101 (4)1 CD/EDUC 207 Schools Populations EDUC 427 (4) (PSC 101 or PHYS (4) Jr Stdg; GE Area A 8 EDUC 428 (4)4 (PSC 101 or PHYS (BIO 111, Recom: 21 or 131 or 141 B4 w/min C-, & D1 Soph Standing; PS (Sr Standing. 121 or 131 or 141 STAT 130 or 217) (Sr Standing) [GE Elective] Recom: PSC 102) [B2 & B3] 201 or 202) [Upper-Div D] com: ENGL 391 General Philosophical Approved United States Survey of World History to Methods of Proof Psvcholoav Classics Calculus I Calculus II Calculus III Concentration History to 1865 alifornia Histor 1800 in Mathematics **PSY 201** or PHIL 230 or Elective HIST 208 (4) MATH 142 (4) MATH 248 (4) HIST 201 (4) HIST 210 (4)1 202 (4) 231 (4)¹ MATH 141 (4) MATH 143 (4) $(4)^{5}$ (MATH 141 w/min 0 MATH 142 w/min C Placement Level, o (MATH 143) ΔΔTH 117/118 and H or Instr. Consent) or Instr. Consent) [D1] [USCP] [D2] [E] [C2] trig, or MATH 119) Oral Communication COMS 101/102 (4)** [A1] **GE (4)** GE (4) GE (4) GE (4) GE (4) Can be taken anytime during Freshman Year Expository Writing ENGL 133/134 (4)** [A2] Free Electives Declare your Concentration. Can be taken anytime during Freshman Year Reasoning, Argumentation, & Writing [A3] Graduation Writing Requirement GWR* COMS 126, 145, ENGL 145, 147, ES 145, PHIL 126, or WGQS 145 (4)** (Students can attempt to fulfill the requirement after 90 earned Visit the School of Education credential office in Bldg 2, Room (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 credential program. Can be taken anytime between Winter of Freshman and Winter of Sophomore Years year) 15 16 16 14 16 16 13 15 16 16 15 12 180 TOTAL: Notes: Legend: MOST GENERAL EDUCATION COURSES CAN BE TAKEN IN ANY ORDER AS LONG AS PREREQUISITES ARE MET Major (113) Course Title * Refer to current catalog for prerequisites. Course # (Units Support (12) **One course from each of the following GE areas must be completed: A1, A2, A3, Upper-Division B, C1, Upper-Division C, F, and GE Elective. Upper-Division B, Upper-(Prerequisite) Division C, and Upper-Division D (GEOG 308) should be taken only after Junior standing is reached (90 units). NOTE: Some GEs may be fulfilled in concentration courses Concentration (20) Refer to online catalog for GE course selection and Graduation Writing Requirement (GWR). [GE Area] General Ed. (32)3 ^ Please see an advisor in the Spring of your Junior year for assistance with the graduation evaluation and to make plans to apply to a Multiple Subject credential or

graduate program

Free Electives (3)3

¹ Required in Major; also satisfies GE.

² Students considering a Child Development or Psychology minor should consider taking STAT 217.

³ If a General Education (GE) course is used to satisfy a Major or Support requirement, additional units of Free Electives may be needed to complete the total units required for the degree.

⁴ Prerequisite for Multiple Subject Credential program at Cal Poly. For a credential program elsewhere, check the prerequisites for that institution.

⁵ Select one from the following courses (4 units): LS 305; MATH 300, 334, 335, 341, 419, 442; STAT 410