CAL POLY SAN LUIS OBISPO

B.S. in MATHEMATICS (Teaching Concentration)

Suggested 4-Year Academic Flowchart

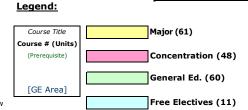
FRESHMAN			SOPHOMORE			JUNIOR			SENIOR		
Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring
Calculus I	Calculus II	Calculus III	Calculus IV	Linear Algebra I	Differential Equations I	Combinatorial Math	Euclidean Geometry	Modern Geometries	Introduction to Analysis I	Senior Project I	Senior Projec
MATH 141 (4)	MATH 142 (4)	MATH 143 (4)	MATH 241 (4)	MATH 206 (4)	MATH 242 (4)	MATH 336 (4)	MATH 442 (4)	MATH 443 (4)	MATH 412 (4)	MATH 461 (2)	MATH 462 (
* [B4]	(MATH 141 w/min C- or Instr. Consent) [GE Elective]	(MATH 142 w/min C- or Instr. Consent)	(MATH 143)	(MATH 143)	(MATH 206 & 241)	(MATH 248 or Jr Standing)	(MATH 248 w/min C- or Instr Cons; Rec: MATH 300)	(MATH 442)	(MATH 306)	(Sr Standing)	(MATH 461)
		Fundamentals of Computer Science	Orientation to Mathematics	Methods of Proof in	Linear Algebra II	Theory of Numbers	Introduction to the History of	Concentration Elective	Concentration Elective	Abstract Algebra I	Abstract Algebra II
		CSC/CPE 101 (4) ¹	Major MATH 202 (1)	Mathematics MATH 248 (4)	MATH 306 (4)	MATH 341 (4)	Mathematics MATH 419 (4)	(4) ³	(4) ³	MATH 481 (4)	MATH 482 (
		*	(MATH 143)	(MATH 143)	(MATH 206 or 244; 241; 248 w/min C-, or Instr. Consent)	(MATH 248 w/ min C- or Instr. consent)	(MATH 248 w/min C- , & 1 Upper Div MATH course, or Instr Cons)	*	*	(MATH 306 or MATH 341)	(MATH 481)
Expository Writing ENGL 133/134 (4)** [A2]			General Physics IA	General Physics II or III		Technology in Mathematics Education	Statistics I	Upper Division Statistics STAT 302 or			Advanced Mathematics for Teaching
Oral Communication			PHYS 141 (4) ¹ (MATH 141 w/min C-;	PHYS 132 or 133 (4) ¹		MATH 300 (4)	STAT 301 (4)	305 or 425 (4)			MATH 423 (
COMS 101/102 (4)** [A1]			MATH 141 W/IIII C-; MATH 142 or 182. Recom: HS physics)	(B1 & B3)		(MATH 248)	(Coreq: MATH 141)	*			(MATH 442 and 4
GE (4) **			Early Field Experience							GE (4) **	
GE (4) **	GE (4) **		SCM 300 (4) ² (Soph Standing)	GE (4) **	GE (4) **	GE (4) **	GE (4) **	GE (4) **	GE (4) **	GE (4) **	GE (4) **
	COMS 126	Reasoning, Argumental i; COMS / ENGL 145; (Completion of GE A2 varytime between Winter of Fre	ENGL 148; PHIL 12 with a C- or better)	26 (4)**							
	Free Elective (2) Free Elective (3)			Free Elective (2)	Graduation Writing Requirement GWR* (Students can attempt to fulfill the requirement after 90 earned units; students should complete the requirement before senior year)						
16	14	16	16	16	14	16	16	16	12	14	14
	•		<u> </u>		•		•	<u> </u>	<u> </u>	TOTAL:	180
Notes:								Legend:			

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

* Refer to current catalog for prerequisites.

USCP requirement can be satisfied by some (but not all) courses within GE categories: Upper-Division B, C1, Upper-Division C, D1, D2, Upp

³ Select 8 units from the following: CSC/CPE 202, MATH 304, 335, 344, 406, 408, 413, 416, 435, 437, 440, 451, 459 or 460, 461 and 462, 470, PHYS 132



^{**} One course from each of the following GE areas must be completed: A1, A2, A3, B2, Upper-Division B, C1, C2, Lower-Division C Elective, Upper-Division C, D1, D2 (8), Upper-Division D, E, and GE Electives. Upper-Division B, Upper-Division C, and Upper-Division D should be taken only after Junior standing is reached (90 units).
Refer to online catalog for GE course selection, United States Cultural Pluralism (USCP) and Graduation Writing Requirement

 $^{^{1}\,\}mathrm{The}\;\mathrm{PHYS/CSC}$ course sequences may be taken in either order depending on your interests.

² SCM requires 45 hours of observations at local schools. Students should plan their schedules to have a 4-hr block free during elementary school hours each v