CAL POLY
SAN LUIS OBISPO

B.S. in STATISTICS
Suggested 4-Year Academic Flowchart

Updated 7/25/2014

FRESHMAN			SOPHOMORE			JUNIOR			SENIOR		
Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring
Introduction to Statistical Investigation **STAT 150 (4)**	*Statistics I* **STAT 301 (4)** (MATH 142)†	*Statistics II* **STAT 302 (4)** (STAT 301)	*Applied Regression Analysis* **STAT 324 (4)** (STAT 302)	*Design and Analysis of Experiments I* **STAT 323 (4)** (STAT 302)	*Introduction to Probability Models* **STAT 325 (4)** (MATH 206 and CSC/CPE 101 or 235)	**STAT 400 level Elective (4)**[2] *	**STAT 400 level Elective (4)**[2] *	**STAT 400 level Elective (4)**[2] *	*Probability Theory* **STAT 425 (4)** (MATH 241 and 248. Recom: STAT 301 and 325)	*Estimation and Sampling Theory* **STAT 426 (4)** (STAT 425. Recom: STAT 302)	*Mathematical Statistics* **STAT 427 (4)** (STAT 426)
Calculus I **MATH 141 (4)** * [B1]	*Calculus II* **MATH 142 (4)** (MATH 141 w/min grade of C-) [B1]	*Calculus III* **MATH 143 (4)** (MATH 142 w/min grade of C-)	*Calculus IV* **MATH 241 (4)** (MATH 143)	*Statistical Computing with SAS* **STAT 330 (4)** (STAT 252, 302, 312, 313, or 322)	*Statistical Computing with R* **STAT 331 (4)** (STAT 252, 302, 312, or 313; CPE/CSC 101 or 235 or BUS 290 or STAT 330)	**STAT 400 level Elective (4)**[2] *	**STAT 400 level Elective (4)**[2] *	**GE (4)** **	*Senior Project I* **STAT 461 (1)**	*Senior Project II* **STAT 462 (2)**	*Statistical Communication and Consulting* **STAT 465 (4)**
GE (4) **	**GE (4)** **	**Computer Science CSC/CPE 235 or 101 (4)** *	**GE (4)** **	*Linear Algebra I* **MATH 206 (4)** (MATH 143)	*Methods of Proof in Mathematics* **MATH 248 (4)** (MATH 143)	**GE (4)** **	**GE (4)** **	**GE (4)** **	**Advisor Approved Support Elective (4)**[3] *	**Advisor Approved Support Elective (4)**[3] *	**GE (4)** **
Free Elective (1)[1] Recommended: **MATH 151** (MATH 141)†	**Free Elective (1)**[1] Recommended: **MATH 152** (MATH 142)†	**Free Elective (1)**[1] Recommended: **MATH 153** (MATH 143)†	**GE (4)** **	**GE (4)** **	**Free Elective (1)**[1] Recommended: **MATH 258** (Concur: MATH 248)	**GE (4)** **	**GE (4)** **		**GE (4)** **	**Free Elective (4)**[1]	**Free Elective (4)**[1]

Expository Writing **ENGL 133/134 (4)** ** [A1] — Can be taken anytime during Freshman Year

Oral Communication **COMS 101/102 (4)** ** [A2] — Can be taken anytime during Freshman Year

Reasoning, Argumentation, & Writing [A3] **COMS 126; COMS/ENGL 145; ENGL 148; PHIL 126 (4)** ** (Completion of GE A1 with a C- or better) Can be taken anytime between Winter of Freshman and Winter of Sophomore Years.

Graduation Writing Requirement **GWR** * (Can be taken any time after 90 earned units)

| 17 | 17 | 17 | 16 | 16 | 13 | 16 | 16 | 12 | 13 | 14 | 13 |

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, B2, B3, (B4 [lab] must be completed with either B2 or B3), C1, C2, C3, C4, C1-C5 elective, D1, D2, D3, D4, D5 and F. C4, D5 and F should be taken only after Junior standing is reached (90 units). ENGL 148 recommended to satisfy GE A3 requirement.

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: C3, C4, D1, D3, D4, D5 or F.

[1] Nine units of elective credit needed to reach 180 units. Calculus workshops require concurrent enrollment in the associated section of Calculus and will count as 1 unit of elective credit. Credit/No Credit grading.

[2] Statistics Electives - 20 units: Choose from any STAT 400-level courses. A maximum of 8 units can also be selected from: CSC/CPE 102, 103, 236; IME 430; MATH 242, 306, 335, 336, 406, 412, 437, 451, 452.

[3] Consultation with faculty advisor is required to select and obtain approval for these courses. Students are requested to consult their advisors before the start of their junior year.

† Course can be taken previously or concurrently.

Legend:

Course Title **Course # (Units)** (Prerequisite) [GE Area]		

- Major (91)
- Support (16)
- General Ed. (64)
- Free Electives (9)