

2011-13 Cal Poly Catalog**Statistics Department****BS STATISTICS**

- ☐ 60 units upper division ☐ GWR
 ☐ 2.0 GPA ☐ USCP

* = Required in Major; also satisfies GE

Course sequencing: See flowcharts at
www.csmadvising.calpoly.edu/

Note: No course with a STAT prefix
 may be taken as credit/no credit.

MAJOR COURSES

STAT 150 Introduction to Statistical Investigations	4
MATH 141 Calculus I (B1)*	4
MATH 142 Calculus II (B1)*	4
MATH 143 Calculus III	4
MATH 206 Linear Algebra I	4
MATH 241 Calculus IV	4
STAT 301 Statistics I	4
STAT 302 Statistics II	4
STAT 323 Design and Analysis of Experiments I	4
STAT 324 Applied Regression Analysis	4
STAT 325 Introduction to Probability Models <i>or</i> STAT 305 (6/25/15)	4
STAT 330 Statistical Computing with SAS	4
STAT 331 Statistical Computing with R	4
STAT 425 Probability Theory	4
STAT 426 Estimation and Sampling Theory	4
STAT 427 Mathematical Statistics	4
STAT 461 Senior Project I	1
STAT 462 Senior Project I	2
STAT 465 Statistical Communication and Consulting	4
Statistics electives	20
<i>Any 400-level STAT course. A maximum of 8 units can also be selected from the following: CSC 348; CSC/CPE 102, 103, 236, 349, 365, 369; DATA 301; IME 430; IT 303; MATH 242, 306, 335, 336, 406, 412, 413, 414, 437, 451, 452 (8/20/15)</i>	
	91

SUPPORT COURSES

CSC/CPE 235 Fundamentals of Computer Science for Scientists and Engineers <i>or</i> CSC/CPE 101 Fundamentals of Computer Science I	4
MATH 248 Methods of Proof in Mathematics	4
¹ Approved support electives	8
	16

GENERAL EDUCATION (GE)

72 units required, 8 of which are specified in Major.

→See page 39 for complete GE course listing.

→Minimum of 12 units required at the 300 level.

Area A Communication (12 units)

A1 Expository Writing	4
A2 Oral Communication	4

A3 Reasoning, Argumentation, and Writing	4
--	---

Area B Science and Mathematics (8 units)

B1 Mathematics/Statistics * 8 units in Major	0
B2 Life Science	4
B3 Physical Science	4
B4 One lab taken with either a B2 or B3 course	

Area C Arts and Humanities (20 units)

C1 Literature	4
C2 Philosophy	4
C3 Fine/Performing Arts	4
C4 Upper-division elective	4
Area C elective (Choose one course from C1-C4)	4

Area D/E Society and the Individual (20 units)

D1 The American Experience (40404)	4
D2 Political Economy	4
D3 Comparative Social Institutions	4
D4 Self Development (CSU Area E)	4
D5 Upper-division elective	4

Area F Technology Elective (upper division) (4 units)

	64
FREE ELECTIVES	9

180

¹ Consultation with faculty advisor is required of students, to select and obtain approval for these courses. Students are requested to consult their advisors before the start of their junior year.