

## BS STATISTICS

### 2007-09 Cal Poly Catalog

[Statistics Department](#)

Faculty Offices East (25), Room 107D  
(805) 756-2709

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

\* = Satisfies General Education requirement

Course sequencing: See flowcharts at  
[www.calpoly.edu/~cosamac](http://www.calpoly.edu/~cosamac)

#### 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	4
STAT 330 Statistical Computing I: SAS	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
<sup>1</sup> CSC, MATH, STAT electives	11-12
Statistics electives (400 level)	12
	<b>90-91</b>

#### 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
Advisor approved technical electives	8
	<b>16</b>

#### GENERAL EDUCATION (GE)

72 units required; 8 units are in Major.  
→See page 56 for complete GE course listing.  
→Minimum of 12 units required at the 300-400 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)	4
	<b>64</b>

**ELECTIVES** ..... **9-10**

**180**

<sup>1</sup> Selected from the following: CSC/CPE 102, 236; CSC 342; MATH 242, 306, 335, 336, 406, 412, 431, 437, 451; STAT 400 level courses.