

2009-11 Cal Poly Catalog**Statistics Department****BS STATISTICS****Flowchart**

- ☐ 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 ~~major or support courses~~ course with a STAT prefix may be taken as credit/no credit. *Effective Summer 2009.*

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 or STAT 321 (10/22/09)	4
STAT 302 Statistics II or STAT 322 (10/22/09)	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
¹ CSC, MATH, STAT electives	11-12
Statistics electives (STAT 331; any 400 level STAT course) (7/28/11)	12
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	90-91

SUPPORT COURSES

CSC/CPE 235 Fundamentals of Computer Science for Scientists and Engineers or CSC/CPE 101 Fundamentals of Computer Science I	4
MATH 248 Methods of Proof in Mathematics	4
Advisor approved technical electives	8
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	16

GENERAL EDUCATION (GE)

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

→See page 50 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)	4
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64**FREE ELECTIVES** **9-10****180**

¹ Select from the following: CSC/CPE 102, 103, 236; CSC 342; MATH 242, 306, 335, 336, 406, 412, 437, 451, 452; STAT 400 level courses.