BS STATISTICS

60 units upper division  GWR  2.0 GPA  USC
* = 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 or
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
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) ...................................... 91

SUPPORT COURSES
CSC/CPE 235 Fundamentals of Computer Science
for Scientists and Engineers or
CSC/CPE 101 Fundamentals of Computer
Science ........................................ 4
MATH 248 Methods of Proof in Mathematics .... 4

1 Approved support electives .................. 8

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

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

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.