

**BS STATISTICS**

2017-2019

updated  
04.06.17

**Units Required 180**

**NOTE:** This document can be used as a compact display of courses and other curricular requirements at the time of publication of the 2017-2019 catalog. The Degree Progress Report must be used to track students' progress in all degree requirements, throughout their Cal Poly career.

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

<b>MAJOR COURSES (95)</b>	<i>Units</i>
STAT 150 Intro to Stat	2
MATH 141 Calculus I (B1) <sup>1</sup>	4
MATH 142 Calculus II (B1) <sup>1</sup>	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 305 Intro to Probability and Simulation	4
STAT 323 Design & Analysis of Experiments I	4
STAT 330 Statistical Computing with SAS	4
STAT 331 Statistical Computing with R	4
STAT 334 Applied Linear Models	4
STAT 365 Statistical Communication	2
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 II	2
STAT 465 Statistical Consulting	4
Statistics Electives: Select 12 units from List A: STAT 405, 414, 415, 416, 417, 418, 419, 421, 423, 434	12
Select 12 units from List B: Any 400-level STAT course (including those in List A), CSC/CPE 202, 203, CSC 236, 348, 349, 365, 369; DATA 301; IME 430; ITP 303; MATH 242, 306, 335, 336, 406, 412, 413, 414, 437, 451	12

**SUPPORT COURSES (16)**

CSC/CPE 101 or CSC 235	4
MATH 248 Methods of Proof in Mathematics	4
Approved support electives <sup>2</sup>	8

<sup>1</sup> Required in Major; also satisfies GE.

<sup>2</sup> 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.

**GENERAL EDUCATION (GE)**

**64**

72 units required, 8 of which are specified in Major  
Minimum of 12 units required at the 300 level.

**Area A Communication**

**12**

A1 Expository Writing	4
A2 Oral Communication	4
A3 Reasoning, Argumentation & Writing	4

**Area B Science and Mathematics**

**8**

B1 Math/Statistics (8 units in Major) <sup>1</sup>	
B2 Life Science	4
B3 Physical Science	4
B4 One lab with B2 or B3	

**Area C Arts and Humanities**

**20**

C1 Literature	4
C2 Philosophy	4
C3 Fine/Performing Arts	4
C4 Upper-division elective	4
C1-C5 Elective	4

**Area D/E Society and the Individual**

**20**

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 (upper div)**

**4**

**FREE ELECTIVES**

**5**

**OTHER DEGREE REQUIREMENTS:**

- Cal Poly, Higher Ed, and Major GPA must all be at least 2.00
  - For students admitted Fall 2016 and after, a grade of C- or higher is required in GE A1, A2, A3, and one GE B1 course
- All students must complete:**
- United States Cultural Pluralism Requirement
  - Graduation Writing Requirement
  - 60 units Upper Division (any 300-400 level classes)
  - Upper Division units in the Major: 27
  - Residency Requirements: See Degree Progress Report for details