

BS STATISTICS

2019-2020

*updated
04.04.19*

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 2019-2020 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.

MAJOR COURSES (95)	<i>Units</i>
STAT 150 Intro to the Discipline of Stat	2
MATH 141 Calculus I (B1) ¹	4
MATH 142 Calculus II (B1) ¹	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 not used 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 ²	8

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 Math, Science, & Quantitative Reasoning

12

B1 Math/Statistics (*8 units in Major*)¹ 4

B2 Life Science 4

B3 Physical Science 4

B4 One lab with B2 or B3 4

B7 Upper-division elective 4

(formerly Area F)

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 Society and the Individual

16

D1 The American Experience (40404) 4

D2 Political Economy..... 4

D3 Comparative Social Institutions 4

D5 Upper-division elective 4

Area E Lifelong Learning and Self-Development

4

(formerly Area D4)

FREE ELECTIVES

5

¹ Required in Major; also satisfies GE.

² 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.