The University of Texas at Austin
Department of Statistics and Data Sciences
College of Natural Sciences

BACHELOR OF SCIENCE IN STATISTICS AND DATA SCIENCE **Catalog: 2024-2026**

Four-year Degree Suggestion (for planning purposes only)

Currently enrolled students should meet with their academic advisor

FIRST-YEAR FALL	16
SDS 313 Introduction to Data Science	3
M 408C Differential & Integral Calculus [1] [C, F]	4
RHE 306 Rhetoric & Writing [C]	3
UGS 302/303 First-year Signature [C, *]	3
Elective	3

FIRST-YEAR SPRING	16
SDS 315 Statistical Thinking	3
M 408D Seq, Series, & Multivar Calculus [1]	4
C S 303E Elements of Computers and Prog [C]	3
HIS Core Requirement [C, *]	3
Science & Tech I Core Requirement [C]	3

SECOND-YEAR FALL	16
SDS 431 Probability & Statistical Inference	4
M 340L Matrices & Matrix Calculations	3
or 341 Linear Algebra and Matrix Theory	
Major Breadth Requirement (LD)	3
GOV 310L American Government [C, *]	3
E 316L/M/N/P Literature [C, *]	3

SECOND-YEAR SPRING	15
SDS 334 Intermediate Statistical Methods	3
Major Breadth Requirement (LD)	3
HIS Core Requirement [C, *]	3
Science & Tech I Core Requirement [C]	3
C S 313E Elements of Software Design (Elective)	3

THIRD-YEAR FALL	15
SDS 336 Practical Machine Learning	3
C S 327E Elements of Databases [2]	3
Major Breadth Requirement (UD)	3
GOV 312L Issues & Policies in Amer Gov [C, *]	3
Elective	3

THIRD-YEAR SPRING	15
Approved SDS Elective	3
Major Breadth Requirement (UD)	3
Visual & Performing Arts Core Requirement [C]	3
Elective	3
Elective	3

FOURTH-YEAR FALL	15
SDS 354 Advanced Statistical Methods	3
Social & Behavioral Sciences [C]	3
Approved SDS Elective	3
Elective	3
Elective	3

FOURTH-YEAR SPRING	12
SDS 357 Case Studies in Data Science [F]	3
Elective	3
Elective	3
Elective	3

SKILLS & EXPERIENCE FLAGS

Cultural Diversity in the U.S.
Ethics
Global Cultures
Independent Inquiry (SDS 357)
Quantitative Reasoning (M 408C/K/N/L/S)
Writing – 2 courses (SDS 357)

LEGEND

[C] Core curriculum requirement
[F] Course carries skills and experience flag
* Course may carry skills and experience flag
LD Lower Division
UD Upper Division

APPROVED SDS ELECTIVES

- SDS 364 Bayesian Statistics
- SDS 366 Data Visualization
- SDS 368 Statistical Theory
- STA 372T.21 Time Series Forecasting
- SDS 375 Topic - Sports Analytics

[1] *M408C and M 408D may be replaced by one of the following three-semester calculus sequences: (1) M 408K, 408L, and 408M; or (2) M 408N, 408S, and 408M. In these sequences, the third calculus course may count as elective hours or breadth requirement if Mathematics is selected as breadth field of study.*

[2] *C S 313E Elements of Software Design must be taken prior to C S 327E Elements of Databases and may count as elective hours or breadth requirement if Computer Science is selected as breadth field of study.*