The University of Texas at Austin
Statistics and Data Science
College of Natural Sciences | School of Computing

BACHELOR OF SCIENCE IN STATISTICS AND DATA SCIENCE
MS Pathway, Five-year Degree Suggestion (for planning purposes only)

FIRST-YEAR FALL	16
SDS 313 Introduction to Data Science	3
M 408D Seq, Series, & Multivar Calculus	4
C S 303E Elements of Computers & Prog	3
UGS 302/303 First-year Signature	3
RHE 306 Rhetoric & Writing	3

SECOND-YEAR FALL	15
SDS 321 Introduction to Probability and Statistics	3
Major Breadth Requirement	3
CS 327E Elements of Databases	3
GOV 310L American Government	3
E 316L/M/N/P Literature	3

THIRD-YEAR FALL	15
SDS 336 Practical Machine Learning	3
Approved SDS Elective	3
HIS Core Requirement	3
Elective	3
Elective	3

FOURTH-YEAR FALL	15
SDS 354 Advanced Statistical Methods	3
MS: SDS 384.2 Mathematical Statistics I	3
MS: SDS 384.4 Regression Analysis	3
Major Breadth Requirement (Upper Div)	3
Elective	3

FIFTH-YEAR FALL	9
MS: GLMs/ Discrete Data	3
MS Elective	3
MS Elective	3

FIRST-YEAR SPRING	15
SDS 315 Statistical Thinking	3
M 340L Matrices & Matrix Calculations	3
or 341 Linear Algebra and Matrix Theory	
CS 313E Elements of Software Design	3
HIS Core Requirement	3
Science & Tech I Core Requirement	3

SECOND-YEAR SPRING	15
SDS 365/325 Probability and Statistical Inference	3
SDS 334 Intermediate Statistical Methods	3
Major Breadth Requirement	3
GOV 312L Issues & Policies in American Gov	3
Science & Tech I Core Requirement	3

THIRD-YEAR SPRING	15
Approved SDS Elective	3
Visual & Performing Arts Core Requirement	3
Social & Behavioral Sciences Core Requirement	3
Elective	3
Elective	3

FOURTH-YEAR SPRING	15
SDS 357 Case Studies in Data Science	3
MS: SDS 384.3 Mathematical Statistics II	3
MS: SDS 384.6 Design & Analysis of Experiments	3
Major Breadth Requirement (Upper Div)	3
Elective	3

FIFTH-YEAR SPRING	9
MS: Survival/ Longitudinal/ Missing Data Methods	3
MS: SDS 384.7 Bayesian Methods	3
MS Elective	3

APPROVED SDS ELECTIVES - BS

- SDS 364 Bayesian Statistics
- SDS 366 Data Visualization
- SDS 368 Statistical Theory
- SDS 365.1 Sports Analytics
- SDS 365.2 Data Product Development
- STA 372T.21 Time Series Forecasting

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; 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.

This five-year degree plan is provided for planning purposes only and does not represent all credit hours required for graduation. Students may need additional undergraduate coursework to meet the 120-credit-hour bachelor's degree requirement. Course selections should be reviewed with an academic advisor to ensure all degree requirements are satisfied; Senior year includes 18 remaining undergraduate hours (9 per semester) plus 12 graduate hours (6 per semester), for 15 total credit hours each semester. Undergraduate electives are planning placeholders and must be selected against the student's degree audit.

11/2026