

Suggested Arrangement of Courses, Statistics and Data Science (BSSDS)

Requirements		Hours
1st Semester		
SDS 313	Introduction to Data Science (Major)	3
M 408C	Differential and Integral Calculus (Core, Major) ⁰²⁰	4
or M 408K	Differential Calculus	
or M 408N	Differential Calculus for Science	
RHE 306	Rhetoric and Writing (Core) ⁰¹⁰	3
UGS 302	First-Year Signature Course (Core) ⁰⁹⁰	3
General Education course (General Education)		3
2nd Semester		
C S 303E	Elements of Computers and Programming (Core, Major) ⁰⁹³	3
M 408D	Sequences, Series, and Multivariable Calculus (Major)	4
or M 408L	Integral Calculus	
or M 408S	Integral Calculus for Science	
SDS 315	Statistical Thinking (Major)	3
U.S. History (Core) ⁰⁶⁰		3
Natural Science and Technology, Part I (Core) ⁰³⁰		3
3rd Semester		
SDS 431	Probability and Statistical Inference (Major)	4
M 340L	Matrices and Matrix Calculations (Major)	3
or M 341	Linear Algebra and Matrix Theory	
Lower-division breadth course (Major)		3
GOV 310L	American and Texas Government (Core) ⁰⁷⁰	3
E 316L	British Literature (Core) ⁰⁴⁰	3
or E 316M	American Literature	
or E 316N	World Literature	
or E 316P	Masterworks of Literature	
4th Semester		
SDS 334	Intermediate Statistical Methods (Major)	3
Lower-division breadth course (Major)		3
U.S. History (Core) ⁰⁶⁰		3
Natural Science and Technology, Part I (Core) ⁰³⁰		3
Communication (Core) ⁰¹⁰		3
5th Semester		
SDS 336	Practical Machine Learning (Major)	3
C S 327E	Elements of Databases (Major)	3
Upper-division breadth course (Major)		3
GOV 312L	Issues and Policies in American Government (Core) ⁰⁷⁰	3

General Education course (General Education)		3
6th Semester		
SDS 354	Advanced Statistical Methods (Major)	3
Upper-division breadth course (Major)		3
General Education course (General Education)		3
General Education course (General Education)		3
Visual and Performing Arts (Core) ⁰⁵⁰		3
7th Semester		
SDS 357	Case Studies in Data Science (Major)	3
SDS 368	Statistical Theory (Major)	3
General Education course (General Education)		3
General Education course (General Education)		3
Social and Behavioral Sciences (Core) ⁰⁸⁰		3
8th Semester		
SDS 364	Bayesian Statistics (Major)	3
General Education course (General Education)		3
General Education course (General Education)		3
General Education course (General Education)		3
Total Hours		120

Four-year degree suggestion (for planning purposes only).

Currently enrolled students should meet with their academic advisor.

Course categories: Core, General Education[†], Major, Elective, Opportunity

Core Component Areas: ⁰¹⁰ Communication; ⁰²⁰ Mathematics; ⁰³⁰ Natural Science and Technology, Part I; ⁰⁴⁰ Humanities; ⁰⁵⁰ Visual and Performing Arts; ⁰⁶⁰ U.S. History; ⁰⁷⁰ American and Texas Government; ⁰⁸⁰ Social and Behavioral Sciences; ⁰⁹⁰ First-Year Signature Course; ⁰⁹³ Natural Science and Technology, Part II

Undergraduate Degree Program listing

[†] Effective April 2025, UT Austin no longer requires Skills and Experience flags.