

STATISTICS COURSE PREREQUISITES & TENTATIVE SCHEDULE

UNDERGRADUATE COURSES (1-199)	PREREQUISITES (WITH C- OR P OR BETTER)	2024-2025 SCHEDULE*
STA 010 Statistical Thinking	two years of high school algebra	Winter
STA 013 Elementary Statistics	two years of high school algebra or MAT D	Fall, Winter, Spring
STA 032 Gateway to Statistical Data Science	MAT 16B or 17B or 19B* or 21B	Fall, Winter, Spring
STA 035A Statistical Data Science I	MAT 16A or MAT 17A or MAT 21A (can be concurrent)	Fall, Winter
STA 035B Statistical Data Science II	STA 35A or STA 32 or STA 100 or (STA 13 and ECS 32A); MAT 16B or MAT 17B or MAT 19B* or MAT 21B (can be concurrent)	Winter, Spring
STA 035C Statistical Data Science III	STA 35B; MAT 16B or MAT 17B or 19B* or MAT 21B	Fall, Spring
STA 100 Applied Statistics for Biological Sciences	MAT 16B or 17B or 19B* or 21B	Fall, Winter, Spring
STA 101 Advanced Applied Statistics for the Biological Sciences	STA 100 or 35B	Spring
STA 103 Applied Statistics for Business and Economics	STA 13 or 32 or 35B or 100; MAT 16B or 17B or 19B* or 21B	Fall, Winter, Spring
STA 104 Nonparametric Statistics	STA 13 or 32 or 35B or 100	Fall, Winter, Spring
STA 106 Analysis of Variance	STA 13 or 32 or 35B or 100	Fall, Winter, Spring
STA 108 Regression Analysis	STA 13 or 32 or 35B or 100	Fall, Winter, Spring
STA 130A Mathematical Statistics: Brief Course	MAT 16C or 17C or 19C* or 21C; STA 13 or 32 or 35B or 100	Fall, Winter
STA 130B Mathematical Statistics: Brief Course	STA 130A or 131A or MAT 135A	Winter, Spring
STA 131A Introduction to Probability Theory	MAT 21C; MAT 22A or 27A or 67; MAT 21D Recommended	Fall, Winter, Spring
STA 131B Introduction to Mathematical Statistics	STA 131A or MAT 135A	Winter, Spring
STA 131C Introduction to Mathematical Statistics	STA 131B	Spring
STA 135 Multivariate Data Analysis	STA 130B or 131B; MAT 22A or 27A or 67. MAT 167 is also recommended.	Fall, Winter, Spring
STA 137 Applied Time Series Analysis	STA 108; MAT 22A or 27A or 67	Fall, Winter, Spring
STA 138 Analysis of Categorical Data	(STA 130B or 131B) or (STA 106,108)	Fall, Winter, Spring
STA 141A Fundamentals of Statistical Data Science	STA 106 or 108	Fall, Winter, Spring
STA 141B Data & Web Technologies for Data Analysis	STA 141A	Fall, Winter, Spring
STA 141C Big Data & High-Performance Statistical Computing	STA 141B or (STA 141A, ECS 32A or ECS 10)	Winter, Spring
STA 142A Statistical Learning I	STA 141A; STA 130A or 131A or MAT 135A (STA 131A or MAT 135A preferred); MAT 22A or 27A or 67. MAT 167 is also recommended.	Winter, Spring

STA 142B Statistical Learning II	STA 141A; STA 130A or 131A or MAT 135A (STA 131A or MAT 135A preferred); MAT 22A or 27A or 67. MAT 167 is also recommended.	Spring
STA 144 Sampling Theory of Surveys	(STA 130B or 131B) or (STA 106,108)	Spring No longer planned for 2024-2025.
STA 145 Bayesian Statistical Inference	STA 130A or STA 131A or MAT 135A	Winter
STA 160 Practice in Statistical Data Science	STA 141A	Fall, Spring

*MAT 19 series will be added as a formal prerequisite Winter 2024 and beyond. Prior to Winter 2024 you may need to submit a prerequisite petition in Schedule Builder.

GRADUATE COURSES (200+)

2024-2025 SCHEDULE*

STA 200A Introduction to Probability Theory	Fall
STA 200B Introduction to Mathematical Statistics	Winter
STA 200C Introduction to Mathematical Statistics	Spring
STA 206 Statistical Methods for Research I	Fall
STA 207 Statistical Methods for Research II	Winter
STA 208 Statistical Methods in Machine Learning	Spring
STA 209 Optimization for Big Data Analytics	Fall
STA 220 Data & Web Technologies for Data Analysis	Winter
STA 221 Big Data & High-Performance Statistical Computing	Fall
STA/BST 222 Biostatistics: Survival Analysis	Fall
STA/BST 223 Biostatistics: Generalized Linear Models	Winter
BST 224 Analysis of Longitudinal Data	Spring
BST 225 Clinical Trials	Spring
BST 227 Machine Learning in Genomics	TBD
STA 231A Mathematical Statistics I	Fall
STA 231B Mathematical Statistics II	Winter
STA 231C Mathematical Statistics III	Spring
STA 232A Applied Statistics I	Fall
STA 232B Applied Statistics II	Winter
STA 232C Applied Statistics III	Spring
STA/MAT 235A Probability Theory	Fall
STA/MAT 235B Probability Theory	Winter

STA 243 Computational Statistics	Spring
STA 250 Topics in Applied and Computational Statistics	Fall, Winter, Spring (Topics Vary)
STA 260 Statistical Practice and Data Analysis	Winter
STA 290 Seminar in Statistics	Fall, Winter, Spring
STA 390 Methods of Teaching Statistics	Fall

*Course offerings are subject to change. The most up to date schedules can be found on Schedule Builder.