## ADMISSION REQUIREMENTS

### PREREQUISITE KNOWLEDGE (pick one)

**Mathematics:** 408D Differential & Integral Calculus, 408M Multivariable Calculus

### II. MATHEMATICAL FOUNDATIONS OF STATISTICS COURSE 1 (pick one)

**Mathematics:** 362K Probability I

**Statistics & Data Sciences:** 321 Intro to Probability & Statistics

**Electrical Engineering:** 351K Probability & Random Processes

### III. MATHEMATICAL FOUNDATIONS OF STATISTICS COURSE 2 (pick one)

**Statistics & Data Sciences:** 358 Statistical Learning & Inference

**Mathematics:** 378K Intro to Mathematical Statistics

### IV. APPLIED STATISTICS, DATA MINING, OR MACHINE LEARNING COURSE 1 (pick one)

**Statistics & Data Sciences:** 302 Data Analysis for the Health Sciences, 304 Statistics in Health Care, 306 Statistics in Market Analysis, 328M Biostatistics

**Mathematics:** 358K Applied Statistics

**Economics:** 329 Economic Statistics

**Educational Psychology:** 371 Intro to Statistics

**Psychology:** 418 Statistics & Research Design

**Sociology:** 317L Intro to Social Statistics

**Statistics:** 309 Elementary Business Statistics

### V. APPLIED STATISTICS, DATA MINING, OR MACHINE LEARNING COURSE 2 (pick one)

**Statistics & Data Sciences:** 325H Honors Statistics, 332 Statistical Models for the Health & Behavioral Sciences, 352 Statistical Modeling

**Economics:** 341K Intro to Econometrics

**Statistics (IROM):** 371G/H Statistics & Modeling/ Honors, 375/H Statistics & Modeling for Finance

### VI. ELECTIVES (pick two, one must be upper division)

**Advertising:** 344K Advertising Research

**Communication Studies:** 348 Communication Research Methods

**Computer Science:** 343 Artificial Intelligence

**Economics:** 350K.4 Advanced Econometrics

**Economics:** 354K Intro to Game Theory

**Electrical Engineering:** 361M Intro to Data Mining

**Geological Sciences:** 325K Computational Methods, 365N Seismic Data Processing

**Health Education:** 343 Foundations of Epidemiology

**Kinesiology:** 376 Measurement in Kinesiology


**Management Information Systems:** 373.17 Pred Analytic & Data Mining

**Public Health:** 354 Epidemiology

**Petroleum & Geosystems Engineering:** 378 Applied Reservoir Characterization

**Psychology:** 325K Advanced Statistics

**Radio, Television, & Film:** 330K Intro to Research Methods

**Sociology:** 369L Analytical Demography

**Statistics & Data Sciences:** 353 Advanced Multivariate Modeling, 358 Applied Regression Analysis, 374E Visualization & Data Analysis, 375 Special Topics in Scientific Computation, 379R Undergraduate Research

**Statistics:** 372.4 Multivariate Statistical Analysis, 372.5 Financial & Econometric Time Series Modeling, 376 Intermediate Statistics

### POLICIES & PROCEDURES

- Return applications to GDC, Campus Mail Code: D9800
- Total of 18 hours required
- All coursework must be completed with a grade of B- or higher
- Please visit the certificate website for more detailed information on course options & policies
- [stat.utexas.edu/undergraduate/certificate-in-applied-statistical-modeling](http://stat.utexas.edu/undergraduate/certificate-in-applied-statistical-modeling)