

Certificate in Applied Statistical Modeling Course Progression Worksheet 2026–2028 Catalog

Requirements	Course(s) Fulfilled	Requirements	Course(s) Fulfilled
1. PREREQUISITE KNOWLEDGE (pick one) Mathematics: 408C Calculus I 408L Integral Calculus 408Q Differential and Integral Calculus for Business 408R Calculus for Biologists 408S Integral Calculus		5. ELECTIVES (pick three) Students are encouraged to select courses within their own majors or colleges as appropriate. The Statistics and Data Sciences courses are available to students in all majors. Advertising 344K Advertising Research Communication Studies 348 Communication Research Methods Computer Science 342 Neural Networks 343 Artificial Intelligence 363M Principles of Machine Learning 1 371R Information Retrieval and Web Search Economics 348K.1 Advanced Econometrics 354K Intro to Game Theory 342L Advanced Economics 353M Empirical Public Economics Geological Sciences 325K Computational Methods 365N Seismic Data Processing Health Education 343 Foundations of Epidemiology 373 Evaluation & Research Design Kinesiology 376 Measurement in Kinesiology Linguistics 350.15 Computational Semantics Mathematics 339J Probability Models with Actuarial Applications 349P Actuarial Statistical Estimate 362M Introduction to Stochastic Processes 378K Introduction to Mathematical Statistics 378P or SDS 378P Decision Analytics Management Information Systems 372T Topic 11: Advanced Analytics Programming 372T Topic 22: Predictive Analytics and Data Mining Petroleum and Geosystems Engineering 378 Applied Reservoir Characterization Psychology 325K Advanced Statistics Public Health 354 Epidemiology Statistics 372T Topic 21: Time Series Forecasting 235 Data Science for Business Applications 235H Data Science for Business Applications Honors Statistics and Data Sciences 322E Elements of Data Science 324E Elements of Regression Analysis 326E Elements of Statistical Machine Learning 353 Advanced Multivariate Methods 358 Special Topics in Statistics 375 Data Viz in R 379R Undergraduate Research	
2. MATHEMATICAL FOUNDATION OF STATISTICS (pick one) Biomedical Engineering 335 Engineering Probability & Statistics Electrical Engineering 351K Probability and Random Processes Mathematics 362K Probability I Statistics and Data Sciences 321 Intro to Probability & Statistics			
3. APPLIED STATISTICS COURSE 1 (pick one) Economics 329 Economic Statistics Educational Psychology 371 Intro to Statistics Government 350K Statistical Analysis in Political Science Mathematics 358K Applied Statistics Psychology 420M Psychological Methods and Statistics Sociology 317L Intro to Social Statistics Statistics STA 301 Introduction to Data Science STA 301H Introduction to Data Science Honors Statistics and Data Sciences 302F Foundations of Statistics 320E Elements of Statistics 320H Elements of Statistics Honors			
4. APPLIED STATISTICS COURSE 2 (pick one) Economics 441K Intro to Econometrics Electrical and Computer Engineering 461P Data Science Principles Mathematics 349R Applied Regression Psychology 325K Advanced Statistics Statistics and Data Sciences 324E Elements of Regression Analysis SDS 322 Elements of Data Science SDS 323 Statistical Learning and Inference			

POLICIES & PROCEDURES

- Total of 18 hours required (six courses in sections II.-V below) must be completed with a grade of C or higher with a cumulative grade point average of at least 3.0 across all courses used to fulfill the certificate (excluding prerequisites).
- No transfer credit or credit-by-exam may be used to fulfill certificate course requirements (excluding prerequisite).
- Not all courses listed in this document are offered every semester. See UT course schedule for available class offerings.
- Please visit the certificate website for how to enroll: stat.utexas.edu/undergraduate/certificate-in-applied-statistical-modeling