

APPLIED STATISTICS - CERTIFICATE

The Department of Statistics at Texas A&M University offers an Applied Statistics Certificate. The certificate is designed to provide graduate students in disciplines other than statistics and professionals in the workforce with basic knowledge in statistics which will provide them with the training to design experiments, properly collect data, and finally to apply the appropriate models and procedures to summarize data, test hypotheses, and build forecasting models. The participants in the certificate program can select from several areas of emphasis including, but not limited to, biostatistics, data science and statistical computations. The Applied Statistics Certificate accepts enrollment by the local students in disciplines other than statistics while they continue to pursue their current degree program with no additional application process. It is also designed for working professionals who need statistical knowledge but are not seeking a formal degree in statistics or another field.

This program is also approved for delivery via asynchronous distance education technology.

Program Requirements

Code	Title	Semester Credit Hours
Select four of the following:		12
STAT 601	Statistical Analysis	
STAT 604	Topics in Statistical Computations	
STAT 607	Sampling	
STAT 608	Regression Analysis	
STAT 624	Databases and Computational Tools Used in Big Data	
STAT 626	Methods in Time Series Analysis	
STAT 630	Overview of Mathematical Statistics	
STAT 631	Statistical Methods in Finance	
STAT 636	Applied Multivariate Analysis and Statistical Learning	
STAT 638	Introduction to Applied Bayesian Methods	
STAT 641	The Methods of Statistics I	
STAT 642	The Methods of Statistics II	
STAT 645	Applied Biostatistics and Data Analysis	
STAT 646	Statistical Bioinformatics	
STAT 647	Spatial Statistics	
STAT 651	Statistics in Research I	
STAT 652	Statistics in Research II	
STAT 653	Statistics in Research III	
STAT 656	Applied Analytics	
STAT 657	Advanced Programming Using SAS	
STAT 659	Applied Categorical Data Analysis	

¹ Students must have a 3.00 GPA over the four courses in order to receive the statistics certificate.