

Texas A&M University's ONLINE
Master of Science in Statistics Degree Program
36 Hour, Non-thesis Masters Program

Statistics Degree Curriculum:

Required Courses:

STAT 604	Special Problems in Statistical Computations and Analysis in R and SAS
STAT 630	Overview of Mathematical Statistics
STAT 641	Statistical Methods I
STAT 642	Statistical Methods II
STAT 608	Least Squares and Regression Analysis

As soon as possible after completing the five (5) courses above, student needs to take the **MS Diagnostic Exam** which is given in January and August.

STAT 6xx	Emphasis Course
STAT 6xx	Emphasis Course
STAT 657	Advanced Programming Using SAS
STAT 659	Applied Categorical Data Analysis
ELECTIVE (3 hrs)	Elective must be an additional STAT course. Any outside course would need to have prior permission from the Associate Department Head, Dr. Michael Longnecker.

The following are taken towards the end of the program.

STAT 681 (1 hr)	Seminar
STAT 684 I (1 hr)	Consulting I
STAT 684 II (1 hr)	Consulting II
STAT 685 (3 x 1hr)	Project – MUST start project at least one semester before planning to graduate

(Choose an emphasis area – two courses are required)

Biostatistics Emphasis:

STAT 645	Special Topics in Biostatistics and Data Analysis
STAT 646	Statistical Bioinformatics

Applied Emphasis:

	(pick two)
STAT 607	Sampling
STAT 636	Methods in Multivariate Analysis
STAT 653	Stats in Research III
STAT 689	Introduction to Applied Bayesian Methods

Applied Emphasis with SAS Certification:

STAT 636	Methods in Multivariate Analysis
STAT 656	Data Mining Using SAS Enterprise Miner

Business Analytics Emphasis:

STAT 607	Sampling
STAT 656	Data Mining Using SAS Enterprise Miner