

MASTER OF SCIENCE IN APPLIED STATISTICS

PROGRAM OVERVIEW

The Masters of Science in Applied Statistics is designed to meet the increasing demand for trained professionals who understand the nature of designing experiments, making predictions and forecasts and analyzing large complex datasets. Graduates of this program will be trained in a broad range of statistical methods and applied statistical analysis software to enhance their job opportunities or pursue a Ph.D. in Statistics.

ADMISSION REQUIREMENTS

Must complete university-wide graduate requirements in addition to the following:

- ◆ A completed application form – available at www.graduateschool.utsa.edu
- ◆ A personal statement of academic and personal goals
- ◆ Letters of reference (optional)
- ◆ Transcripts from all colleges and universities attended
- ◆ Official Graduate Record Examination scores (no more than 5 years old)
- ◆ A current resume with employment or other experience (optional)
- ◆ Three semesters of calculus and a course in linear algebra are required for unconditional admission

CURRICULUM

The Master of Science in Applied Statistics requires 33 credit hours. All candidates are required to successfully complete the 18 semester credit hours listed below, 9 semester credit hours of coursework from defined focus areas and an additional 6 hours of graduate courses in statistics, engineering or biology or other disciplines as approved by the graduate advisor.

REQUIRED COURSEWORK- 18 semester credit hours

- >> STA 5093 Introduction to Statistical Inference
- >> STA 5103 Applied Statistics
- >> STA 5503 Mathematical Statistics I
- >> STA 5513 Mathematical Statistics II
- >> STA 6033 Advanced Programming and Data Management in SAS
- >> STA 6233 Advanced Statistical Programming Using SAS Software

ELECTIVES - 15 semester credit hours of coursework chosen from the following:

- ◆ 9 hours from a combination of six focus areas
 - >> Big Data and Analytics
 - >> Biostatistics
 - >> Financial Modeling
 - >> General
 - >> Industrial Statistics
 - >> Management Science
- ◆ 6 hours from other statistical-related areas, including biology, engineering and computer science

Each candidate is required to pass a comprehensive examination in Statistics.

Please consult the current [Graduate Catalog](#) for official degree requirements.

business.utsa.edu

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