

Master of Science Applied Statistics

manderson.culverhouse.ua.edu

Gain hands-on experience with real projects and learn advanced business intelligence skills.

Begun over 25 years ago, the Master's of Science in Applied Statistics is a highly respected program at the Manderson Graduate School of Business.

About the program:

Students in the Master's of Science in Applied Statistics program can utilize the Marilyn A. Hewson Data Analytics Lab, taking advantage of cutting-edge technology in a collaborative environment. Students do not need a business degree to earn an MS in Applied Statistics.

The Master of Science degree in Applied Statistics is a flexible program, allowing students to structure courses in a manner that complements their career objectives.

Required Course Info:

The program requires 30 hours, half of which are track specific. There are two different tracks within this degree: Statistics and Analytics with five required courses common to both tracks of study. This program offers general courses:

- Classical statistical methods
- Mathematical statistics
- Regression
- Multivariate analysis

As well as specialized courses in topics including:

- Data mining
- Quality control
- Experimental design
- Statistical computing
- Linear models
- Nonparametric statistics
- Statistical learning

Electives may be earned in additional coursework with the approval of a faculty advisor. The program of related courses may vary from student to student and depends on the student's interests and academic background. When most of the coursework is completed, the student must pass a written comprehensive examination OR a professional exam such as the Actuarial P Exam, SAS Predictive Modeler Exam, or the ASQ Certified Quality Engineer Exam.



Culverhouse
College of Business
Information Systems, Statistics and
Management Science



Master of Science

Applied Statistics

The M.S. degree in Applied Statistics requires 30 hours, half of which are track specific. There are two different tracks within this degree. These include: Statistics and Analytics. There are five required courses common to both tracks of study. The electives may be earned in additional coursework with the approval of a faculty advisor. The program of related courses may vary from student to student and depends on the student's interests and academic background. When most of the coursework is completed, the student must pass a written comprehensive examination OR a professional exam such as the Actuarial P Exam, SAS Predictive Modeler Exam, or the ASQ Certified Quality Engineer Exam.

Required Courses:	Number of Credit Hours
ST 552 Applied Regression Analy	3
ST 553 Appld Multivariate Analy	3
ST 554 Math Statistics I	3
ST 555 Math Statistics II	3
ST 560 Statistical Methods	3
Track I: Statistics	
ST 561 Applied Design Expermnts	3
Approved Electives	12
Track II: Analytics	
ST 521 Statistical Data Management	3
ST 522 Adv Statistical Data Mgt	3
ST 531 Data Mining I	3
ST 532 Advanced Data Mining	3
Approved Elective	3

Application Requirements

- A Bachelor's degree from an accredited university or college
- Transcripts from all colleges attended
- A Statement of Purpose outlining your reasons for desiring the degree
- An up-to-date resume
- Three letters of recommendation
- An official and competitive (60th percentile or higher) GRE or GMAT score

Contact us for more information:

Manderson Graduate School of Business
101 Bidgood Hall
Box 870223
Tuscaloosa, Alabama 35487-0223
205-348-6517

Jan Jones, Director of Specialized Masters Programs

jjones@culverhouse.ua.edu

John Mittenthal, ISM Department Head

jmittent@culverhouse.ua.edu

Brad Casselman, Program Coordinator

bcasselman@culverhouse.ua.edu

THE UNIVERSITY OF ALABAMA®