MASTER OF SCIENCE IN APPLIED STATISTICS (M.S.)

Purpose

The purpose of the Master of Science in Applied Statistics program is to provide advanced grounding in applied statistics and research methods. Students collect, manage, and analyze data using various statistical software packages and learn to solve real-world problems using statistical analysis.

Program Learning Outcomes

The student will be able to:

- Analyze scholarly and real-world problems using probability and statistics.
- Solve advanced problems using statistical software.
- Create advanced experimental designs using statistical methods informed by knowledge of the literature of the discipline.
- Evaluate ethical imperatives of statistics through a Biblical worldview.

Program Specific Admissions Requirements

In addition to the general admission requirements, admission to candidacy in the **M.S. Applied Statistics** program requires:

1. Earned baccalaureate degree or its equivalent from an institution accredited by an agency recognized by the U.S. Department of Education (e.g., SACSCOC, TRACS, ABHE, etc.)
2. An undergraduate cumulative GPA of 3.00 or above (on a 4.00 scale)
3. Nine (9) credit hours in undergraduate calculus consisting of at least three courses.
4. Three (3) credit hours in undergraduate statistics
5. Three (3) credit hours in undergraduate linear algebra
6. TOEFL (if applicable)

Students who do not meet the minimum Good Standing GPA requirement may be admitted on Academic Caution status. Students who have an undergraduate GPA below 2.75 will not be admitted to the program.

Transfer Credit

Students may transfer up to 18 credit hours from an accredited institution subject to department approval. In order to transfer credit, students must have earned the minimum grade of B-, and courses must have been completed within 10 years of the start date of the program. Credits from a prior degree on the same academic level earned through Liberty University are considered transfer credits.

Program of Study Delivery Format: Online Only

- Applied Statistics (M.S.)

Career Opportunities

- Data science
- Advanced data analysis
- Health analytics
- Financial analytics
- Public sector decision-making
- Political polling
- Market research
- Enterprise/Institutional research
- Demography
- Research Associate
- Methodologist