

STATISTICS, M.S.

The M.S. degree is designed to provide students with the necessary background for employment as a professional statistician in business, industry, or government and to build a solid foundation for students interested in the Ph.D. program. Considerable flexibility in program emphasis is possible through the selection of elective courses.

The profile of a successful M.S. applicant includes an average GRE verbal in the 65th or higher percentile and an average GRE quantitative ranking in the 80th or higher percentile with an undergraduate average GPA of 3.30 or higher. He/she will also have a strong math background including 3 semester sequence in calculus, linear algebra, and often real analysis.

Learning Outcomes

1. The M.S. recipient should have solid knowledge of the standard methods of statistical data analysis, including their implementation in standard statistical packages.
2. The M.S. recipient should have solid knowledge of the foundational results of mathematical statistics at the level needed to utilize the standard statistical texts and applied journals.
3. The M.S. recipient should have the ability to apply their statistical knowledge to substantial problems that extend beyond their course work.
4. The M.S. recipient should have the ability to successfully communicate their statistical knowledge to statisticians and statistical consumers.