This professional master’s degree is available entirely through online courses. It emphasizes the practical application of statistical methodology and focuses less on the mathematical underpinnings associated with these techniques. This degree is “terminal” in that it does not prepare a student for further study in statistics at the doctoral level. Any student wishing to complete doctoral work in statistics would be required to fulfill missing knowledge not required by this particular program.

This degree requires 32 hours of coursework. It does not require a formal report or thesis; however, a creative component is required. The completion of comprehensive exams is also not required.

**Admission requirements:**
Calculus of several variables; computing course; the general GRE.

**Required coursework:**
- STAT 4203 Mathematical Statistics I
- STAT 4213 Mathematical Statistics II
- STAT 5023 Statistics for Experimenters II
- STAT 5063 Multivariate Methods
- STAT 5193 SAS and R Programming
- STAT 5303 Experimental Design
- STAT 5002 Applied Masters Creative Component

**Elective coursework:**
- STAT 4043 Applied Regression Analysis
- STAT 5033 Nonparametric Methods
- STAT 5043 Sample Survey Designs
- STAT 5053 Time Series Analysis
- STAT 5073 Categorical Data Analysis

Other courses can be used as electives at the discretion of the MSAS committee and the graduate coordinator.

Each of these students will need to have an advisory committee, just like our on-campus students. However, since these students are not in need of the same level of advisement, a three-person committee can be established to serve as the pro forma advisory committee for all students seeking this degree. This committee can evaluate the creative components, assess the possibility of allowing course substitutions, etc.

**Visit with an advisor to learn more about the program**

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