1. **Admission to the Program**
   It is necessary to have an undergraduate degree, not necessarily in mathematics or statistics, to begin a program of study toward the M.S. degree in statistics. It is expected that some students will be admitted to the program who have either a bachelor's degree or a master's degree in some other field. However, the student should have a mathematical background which, as a minimum, is equivalent to the mathematics courses:
   - MATH 2144 Calculus I
   - MATH 2153 Calculus II
   - MATH 2163 Calculus III
   - MATH 3013 Linear Algebra
   - MATH 4013 Engineering Mathematics: Calculus of Several Variables

   Students admitted to the program with deficiencies will be required to remedy such deficiencies. In addition to the above courses, each student is required to demonstrate competence in a computer programming language.

2. **Credit Requirements**
   The M.S. Degree can be earned by one of the following plans:
   - Plan 1 30 hours with thesis (max. 6 hours for thesis)
   - Plan 2 32 hours with report (max. 2 hours for report)
   - Plan 3 36 hours with no report or thesis

   Either a report or a thesis is recommended for the student who plans to pursue a Ph.D. in the immediate future. The third plan will be initiated by the Statistics faculty. This must satisfy the Plan 3 requirement of the Graduate College. A creative component must be identified on the plan of study. See the Graduate Catalog for details.

3. **Grade Requirements**
   Students who receive more than two grades of C or below will be dismissed from the program. Students who receive a D in a course with a STAT prefix may be dismissed from the program.

4. **Required Coursework**
   - STAT 5023 Statistics for Experimenters II
   - STAT 5123 Probability
   - STAT 5223 Inference
   - STAT 5303 Experimental Design
   - STAT 5323 Linear Models I
   - STAT 5333 Linear Models II
   - STAT 5063 Multivariate Methods
   - STAT 5193 SAS and R Programming

5. **Elective Coursework**
   A three-hour 5000 level or higher graduate course, excluding those with STAT prefix, may be used as an elective with committee approval.

6. **Plan of Study**
   The plan of study must be completed prior to enrollment in the 17th credit hour. The responsibility for doing so rests with the student and his/her advisor. STAT 3013 Intermediate Statistical Analysis, STAT 4013 Statistical Methods I, STAT 4023 Statistical Methods II, STAT 4203 Mathematical
Statistics I, STAT 4213 Mathematical Statistics II, STAT 5013 Statistics for Experimenters I are not allowed on the plan of study. The remainder of the core requirements constitute 22 hours of the hours required, and these typically appear on the plan of study with the outside course. The remaining hours should be used to work toward the student's objectives. Twenty-one hours of 5000 level credits are required. It is recommended that students planning to work toward a Ph.D. in statistics include two semesters of advanced calculus (MATH 4143 and MATH 4153). All required courses must appear on the plan of study. Exceptions will be evaluated on an individual basis. At most one grade of C will be allowed in the courses STAT 5123 Probability, STAT 5223 Inference, STAT 5303 Experimental Design, and STAT 5323 Linear Models I.

7. Examination over Coursework
Each student must pass a comprehensive examination covering materials from STAT 5123 Probability, STAT 5223 Inference, STAT 5303 Experimental Design, and STAT 5323 Linear Models I. Failure to take the exam at the first opportunity will result in a failure of the exam on the first attempt. There is no limit to the number of times a student can take the exam. However, faculty initiated remedial action may be required before a third or later attempt. Students will be evaluated based on the results of all subject simultaneously.

All requirements listed in the Graduate Catalog must be satisfied.

For answers to questions about the degree program or application materials, please contact:

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