STATISTICS

Requirements

Any student may obtain a minor in statistics by taking six or more mathematics courses (24 credit hours) including the following:

4 Credit Hours – Foundational Statistics Course

One of the following:

Code	Title	Hours
MA 223	Engineering Statistics	4
MA 382	Introduction to Statistics with Probability	4

If MA 381 is taken before MA 223/MA 382, it will be strongly recommended the student take MA 382 Introduction to Statistics with Probability instead of MA 223.

20 Credit Hours – Additional Coursework

Five courses selected from the following list, at least two of which must be starred ([1]). Courses not on this list may count towards the minor if approved by the statistics minor advisor.

Code	Title	Hours
MA 381	Introduction to Probability with Applications to Statistics	4
MA 386	Statistical Programming	4
MA 481	Mathematical Statistics	4
MA 482	Biostatistics [1]	4
MA 483	Bayesian Data Analysis [1]	4
MA 485	Applied Linear Regression [1]	4
MA 487	Design of Experiments [1]	4
MA 480	Topics in Probability or Statistics	4

All minors must be approved by the minor advisor and the student's advisor. The department has a form for the planning and approval of a minor.

Notes and Limitations on Requirements:

1. Almost all students are required to take either MA 223 or MA 381 as a requirement for their major; therefore, only five “extra courses” are required for most students.
2. Only one of MA 223, MA 381, or MA 382 can be counted towards any combination of the multiple minors offered by the mathematics department.
3. Mathematics majors or biomathematics majors must have at least 16 credit hours of separation between their major and this minor.
4. No student can take both MA 223 and MA 382 for credit.
5. Note that MA 481 and MA 483 have MA 381 as a pre-requisite.