# Statistics

**STAT 400  Statistics and Probability I  credit: 4 hours.**

Introduction to mathematical statistics that develops probability as needed; includes the calculus of probability, random variables, expectation, distribution functions, central limit theorem, point estimation, confidence intervals, and hypothesis testing. Offers a basic one-term introduction to statistics and also prepares students for STAT 410. Same as MATH 463. Prerequisite: MATH 241 (formerly MATH 243) or MATH 242, or equivalent.

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