

## MATH 360: Probability & Statistics

An introduction to the mathematical theories of probability and statistics, including some topics such as combinatorial methods, conditional probability and independence, discrete and continuous random variables, expectation, simple and multiple regression, analysis of variance, contingency tables, time series, logistic regression, and experimental design. This course satisfies the proficiency requirements for Ethical Reasoning and Quantitative Literacy in the disciplines.

**Credits:** 3

**Prerequisites:**

Mathematics 152 and Statistics 161, or permission of instructor.

**Program:** Mathematics