

# Statistics (STAT)

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**STAT 204 Elementary Statistics (4)**

An introduction to statistics covering these topics: probability, binomial and normal distributions, mean, median, variance, standard deviation, the distinction between sample and population, t-distribution, hypothesis testing, confidence intervals, and linear regression.

**STAT 214 Statistical Modeling (4)**

This course focuses on choosing, fitting, assessing, and using statistical models. Topics include simple and multiple linear regression, logistic regression, and multifactor analysis of variance. Intended for students in the physical, natural or social sciences. *Prerequisite: STAT 204 and CSCI 157.*

**STAT 444 Independent Study (2 or 4)**

An opportunity for advanced students to pursue topics of special interest. *Prerequisite: Instructor prerequisite override required.*