

# STATISTICS (STAT)

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**STAT 201: Introduction to Statistics**

Descriptive statistical measures and probability theory are combined to provide the basis for statistical decision-making techniques. Areas covered: data presentation; measures of central tendency; measures of variability; basic probability laws, Bayes' theorem; binomial; Poisson;  $t$ ,  $F$  and normal distributions; confidence intervals; hypothesis testing.

**Credits:** 3

**College:** School of Business

**Prerequisites:** MATH 100 or MATH 101 or MATH 102 or MATH 103 or MATH 111 [Min Grade: D]

**Schedule Type:** By Appointment - 1 student, By Appointment, Lecture, On-Line

**STAT 202: Applied Business Statistics**

Review of sampling distribution, confidence intervals and hypothesis tests for two-samples; simple linear regression, multiple linear regression with emphasis on computer output; one- and two-way analysis of variance; application of the Chi-square statistic; non-parametric statistical techniques.

**Credits:** 3

**College:** School of Business

**Prerequisites:** STAT 201 [Min Grade: D]

**Schedule Type:** Lecture, On-Line

**STAT 211: Finding & Evaluating Stat Data**

A Continuing and Professional Studies Core course in data gathering and analysis, focusing on the use of demographic and economic data that inform organizational decision making. Students will learn basic descriptive statistical measures and probability theory and develop an understanding of the basis for statistical decision-making techniques. A variety of resources for gathering data related to demographics, socioeconomic and sociogeographic trends, economics data, and trends in business and industry will be presented. Students will also review and apply a variety of descriptive and/or inferential statistics to make meaning of these data. Students will learn to manipulate data using statistical software.

**Credits:** 3

**College:** Jefferson College of Humanities & Sciences

**Schedule Type:** By Appointment - 4 students, Lecture, On-Line

**STAT 220: Stats for the Behavioral Sci**

**Credits:** 3

**College:** Jefferson College of Humanities & Sciences

**Prerequisites:** PSYC 101 [Min Grade: D]

**Schedule Type:** Lecture

**STAT 221: Psych Applications of Stats I**

**Credits:** 3

**College:** School of Business

**Prerequisites:** PSYC 101 [Min Grade: D]

**Schedule Type:** Lecture