

# QUANTITATIVE METHODS AND BUSINESS STATISTICS (QMBS)

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## **QMBS 2301 Quantitative Skills-Business**

**Credits:** 3 (3-0-0)

This course is designed to give students a business-oriented review of the basic computational math skills and a working knowledge of its mathematical applications and procedures. The course focuses on the quantitative and analytical methods in the context of practical business applications to enhance essential problem solving skills of business students. This course will provide students with solid preparation and foundation for going on to courses and careers in accounting, marketing, retailing, banking, finance, and business administration. Formerly QMBS 2310/BUAD 2310. TSI Restriction(s): Reading, Math, and Writing

**Prerequisites:** MATH 1324 or 1314, CISA 1305 or CSCI 1336.

**Restrictions:** Graduate level students may not enroll.

## **QMBS 2305 Business Statistics I**

**Credits:** 3 (3-0-0)

Descriptive and inferential statistical techniques for business and economic decision making. Topics include the collection, description, analysis, and summarization of data; probability; discrete and continuous random variables; the binomial and normal distributions; sampling distributions; tests of hypotheses; estimation and confidence intervals, linear regression; and correlation analysis. Statistical software is used to analyze data throughout the course. (QMBS 2305 is included in the Business Field of Study.) Formerly BUAD 2305. TSI Restriction(s): Reading, Math, and Writing

**Prerequisites:** MATH 1324 or MATH 1314, CISA 1305/1405 or CSCI 1336.

**Restrictions:**

## **QMBS 3360 Business Statistics II**

**Credits:** 3 (3-0-0)

This course is a continuation of Business Statistics I. This series explores descriptive and inferential statistical techniques for business and economic decision making. Building on the concepts and application learned in QMBS 2305, this course focuses on the statistical concepts including, but not limited to, hypothesis testing, goodness-of-fit, tests of independence, analysis of variance (ANOVA), linear and multiple regression, and time series. TSI Restriction(s): Reading, Math, and Writing

**Prerequisites:** QMBS 2305 with a grade of C or better.

**Restrictions:**