

# STATISTICS (STAT)

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**STAT C1000 Introduction to Statistics (formerly: MATH 120 C  
Introduction to Statistics)**

**4 Units**

**Prerequisite(s):** Placement as determined by the college's multiple measures assessment process or completion of a course taught at or above the level of intermediate algebra

**Advisory:** Through the multiple measures' evaluation process, students may be required to take MATH 120PC with the paired support course MATH 012 C

All students may take MATH 120PC with the support course MATH 012C. Term hours: 72 lecture. This course is an introduction to statistical thinking and processes, including methods and concepts for discovery and decision-making using data. Topics include descriptive statistics; probability and sampling distributions; statistical inference; correlation and linear regression; analysis of variance, chi-squared, and t-tests; and application of technology for statistical analysis including the interpretation of the relevance of the statistical findings. Students apply methods and processes to applications using data from a broad range of disciplines. Topics also include measures of central tendency and dispersion, sampling techniques, parametric and non-parametric tests of hypotheses, and point and interval estimation. Applications to business, life sciences, health sciences, and social sciences are emphasized. Students will use computer software and/or graphing calculators for statistical analysis of various topics. This course requires the use of a graphing calculator comparable to the TI-83/84. Duplicate credit not granted for MATH 120PC, MATH 126 C, PSY 161 C, PSY 161HC, SOC 161 C, or SOC 161HC. (UC Credit Limitation/CSU, AA GE, Cal-GETC, C-ID: MATH 110 and SOCI 125).