Statistics (STAT)

STAT 100 Pre-Statistics 4 Units
Prerequisite: MATH 34 with a grade of “C” or better, or placement through the assessment process.
Hours: 72 hours LEC
This course prepares students for transfer-level Statistics. Topics include ratios, rates, and proportional reasoning; arithmetic with fractions, decimals and percents; evaluating expressions, solving equations, and analyzing formulas to understand statistical measures; use of linear and exponential functions to model bivariate data; graphical and numerical descriptive statistics for quantitative and categorical data. Note: This course is not intended for students who plan to take courses in science, computer information science, engineering, mathematics, physics, chemistry, or business and economics.

STAT 110 Support for Introduction to Probability and Statistics 2 Units
Prerequisite: None.
Corequisite: STAT 300
Hours: 36 hours LEC
This course provides intensive instruction and practice in the core mathematical skills, competencies, and concepts necessary for success in Introduction to Probability and Statistics (STAT 300). Topics and homework assignments are often connected to the students’ assignments in STAT 300. The course includes applications of the concepts and skills covered. This course is graded as Pass/No Pass. Students who have taken this course as MATH 299 are not eligible to take this course.

STAT 299 Experimental Offerings in Statistics .5-4 Units
Prerequisite: None
Hours: 72 hours LEC
See Experimental Offerings

STAT 300 Introduction to Probability and Statistics 4 Units
Prerequisite: MATH 109, MATH 120, MATH 121, MATH 124, MATH 135, or STAT 100 with a grade of “C” or better, or placement through the assessment process.
General Education: AA/AS Area II(b); CSU Area B4; IGETC Area 2
Course Transferable to UC/CSU
Hours: 72 hours LEC
This course is an introduction to probability and statistics. Topics include elementary principles and applications of descriptive statistics, counting principles, elementary probability principles, probability distributions, estimation of parameters, hypothesis testing, linear regression and correlation, and ANOVA. Scientific calculators with two-variable statistical capabilities may be required for this class. This honors section uses an intensive instructional methodology designed to challenge motivated students. Credit will be awarded for either STAT 480 or STAT 300, not both. (C-ID MATH 110; Competency: Mathematics)

STAT 480 Introduction to Probability and Statistics – Honors 4 Units
Prerequisite: MATH 120, 121, or 124 with a grade of “C” or better, or placement through the assessment process.
Advisory: A 3.0 GPA or better in high school or college, or be eligible to take ENGW 300
General Education: AA/AS Area II(b); CSU Area B4; IGETC Area 2
Course Transferable to UC/CSU
Hours: 72 hours LEC
This course is an introduction to probability and statistics designed for students in the honors program. Topics include elementary principles and applications of descriptive statistics, counting principles, elementary probability principles, probability distributions, estimation of parameters, hypothesis testing, linear regression and correlation, and ANOVA. Scientific calculators with two-variable statistical capabilities may be required for this class. Credit will be awarded for either STAT 480 or STAT 300, not both. (C-ID MATH 110; Competency: Mathematics)

STAT 495 Independent Studies in Statistics 1-3 Units
Prerequisite: None.
Course Transferable to CSU
Hours: 162 hours LAB
This is an independent studies course. The topics are to be arranged between the instructor and the student. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.

STAT 499 Experimental Offering in Statistics .5-4 Units
Prerequisite: None
Course Transferable to UC/CSU
Hours: 54 hours LEC
See Experimental Offering. UC transfer credit will be awarded only after the course has been evaluated by the enrolling UC campus. The units completed for this course cannot be counted towards the minimum 60 units required for admissions.