

# Bachelor of Science in Statistics

## Course Descriptions (Service Courses)

**Stat 101. ELEMENTARY STATISTICS.** Presentation of data; frequency distributions; measures of central tendency; measures of dispersion; index numbers; probability distributions; statistical inference; correlation and regression. Prereq: Math 11. 3 u.

**Stat 130. INTRODUCTION TO MATHEMATICAL STATISTICS FOR COMPUTER SCIENCE.** Probability; random variables and distribution functions; special distributions; sampling distributions; maximum likelihood estimation; interval estimation; hypothesis testing; application of the central limit theorem to large sample inference; linear regression and correlation. Prereq: Math 55. 3 u.