

---

## STATISTICS

### **STA 2023, Statistics Statistics**

**3 hrs., 3 crs.,**

(Offered fall, spring, and summer). Prerequisite: Successful completion of developmental courses, appropriate placement test scores or meet state exemption requirement. A graphing calculator is required. The TI-83/84 are the only allowable calculators for test days. If a student wishes to use any other calculator they must see their instructor in advance for approval. The course is designed to increase problem-solving abilities and data interpretation through practical applications of statistical concepts. This course is appropriate for students in a wide range of disciplines and programs. A graphing calculator is required. The TI-83/84 are the only allowable calculators for test days. If a student wishes to use any other calculator, they must see their instructor in advance for approval. (The combination of STA2023 and STA2122 will not meet the six-hour math General Education requirement. An additional three hours in math will be required.)

### **STA 2023H, Honors Statistics Honors Statistics**

**3 hrs., 3 crs.,**

(Offered fall, spring, and summer). Prerequisite: Successful completion of developmental courses, appropriate placement test scores or meet state exemption requirement. In this course, students will utilize descriptive and inferential statistical methods in contextual situations, using technology as appropriate. The course is designed to increase problem-solving abilities and data interpretation through practical applications of statistical concepts. The course is designed to increase problem-solving abilities and data interpretation through practical applications of statistical concepts. This course is appropriate for students in a wide range of disciplines and programs. A graphing calculator is required. The TI-83/84 are the only allowable calculators for test days. If a student wishes to use any other calculator, they must see their instructor in advance for approval. (The combination of STA2023 and STA2122 will not meet the six-hour math General Education requirement. An additional three hours in math will be required.)

### **STA 2122, Statistical Applications In Social Sciences I Statistical Applications In Social Sciences I**

**4 hrs., 4 crs.,**

(Offered spring). Prerequisite: Satisfactory score on math placement test or a minimum grade of "C" in MAT1033. A graphing calculator is required. The TI-83/84 are the only allowable calculators for test days. If a student wishes to use any other calculator they must see their instructor in advance for approval. Topics include summarization of data, sample mean and standard deviation, probability, probability distributions, normal distribution, statistical estimation, testing hypotheses, linear correlation/regression, chi-square distributions, ANOVA and non-parametric statistics. This course provides a more indepth study of statistics than STA2023. (The combination of STA2023 and STA2122 will not meet the six-hour math General Education requirement. An additional three hours in math will be required.)

---