

# Minor in Statistics

Data science and the statistical analysis of data is fundamental in all quantitative fields from agriculture to insurance and finance & from social sciences to the natural sciences and engineering. The Minor in Statistics provides a foundation for the concepts, methods and statistical packages used in data science and statistics in practice. These skills are in great demand and will greatly increase opportunities for employment or admission to graduate programs.



## Required Courses

### **ST 3123 Introduction to Statistical Inference [3 credits]**

**Prerequisite:** ACT Math score of 24 or grade of C or better in MA 1313

### **ST 4111 Seminar in Statistical Packages [1 credit]**

**Prerequisite:** None

### **ST 4211 Seminar in Statistical Consulting [1 credit]**

**Prerequisite:** None

### **ST 4213 Nonparametric Methods [3 credits]**

**Prerequisite:** Any instructor-approved introductory course in statistical methods

### **ST 4243 Data Analysis 1 [3 credits]**

**Prerequisite:** MA 2743 Calculus IV or MA 3113 Introduction to Linear Algebra

## Optional Courses (Choose at least two)

### **ST 4253 Data Analysis 2 [3 credits]**

**Prerequisite:** ST 4243 Data Analysis 1 or MA 3113 Introduction to Linear Algebra or MA 2743 Calculus IV

### **ST 4313 Introduction to Spatial Statistics [3 credits]**

**Prerequisite:** Grade of C or better in ST 3123 or equivalent course subject to instructor approval

### **ST/MA 4523 Introduction to Probability [3 credits]**

**Prerequisite:** MA 2733 Calculus III

### **ST/MA 4543 Intro. to Mathematical Statistics [3 credits]**

**Prerequisite:** MA 2743 Calculus IV

If you are interested in the Minor in Statistics, please contact Dr. Jon Woody at [jrw677@msstate.edu](mailto:jrw677@msstate.edu)