

## **AP STATISTICS**

*Requirement area:* **Math or Elective**

*Course code:* MST400

*Grade Level:* 11, 12

*Prerequisite:* Completion of Algebra II or by teacher recommendation

*Length:* Year long (1.0 credit)

*Homework:* 2 to 4 hours per week

*Designator:* NCAA

*Description:* This course in statistics will introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to these broad conceptual themes:

1. Exploring one-variable and two-variable data
2. Collecting Data
3. Probability, Random Variables and Probability Distributions
4. Sampling Distributions
5. Inference for Categorical Data
6. Inference for Quantitative Data