Concentration in Statistics and Operations Research
The concentration in Statistics and Operations Research is designed to increase the mathematics major’s abilities in data analysis, mathematical modeling, algorithmic reasoning, and problem solving, as well as one’s knowledge in the fields of probability and mathematical statistics. The concentration provides a viable background for graduate study in these fields, employment in virtually any industry, preparation for the first actuarial exam, and the training necessary to teach AP statistics.

Required courses: 9 s.h.

STAT 02.260  Statistics I  
STAT 02.261  Statistics II  
STAT 02.360  Probability and Random Variables

Elective courses: 9 s. h.

STAT 02.361  Mathematical Statistics  
STAT 02.371  Design of Experiments: Analysis of Variance  
MATH 03.411  Deterministic Models in Operations Research  
MATH 03.412  Stochastic Models in Operations Research

Up to one three-credit course may be approved on a case-by-case basis.