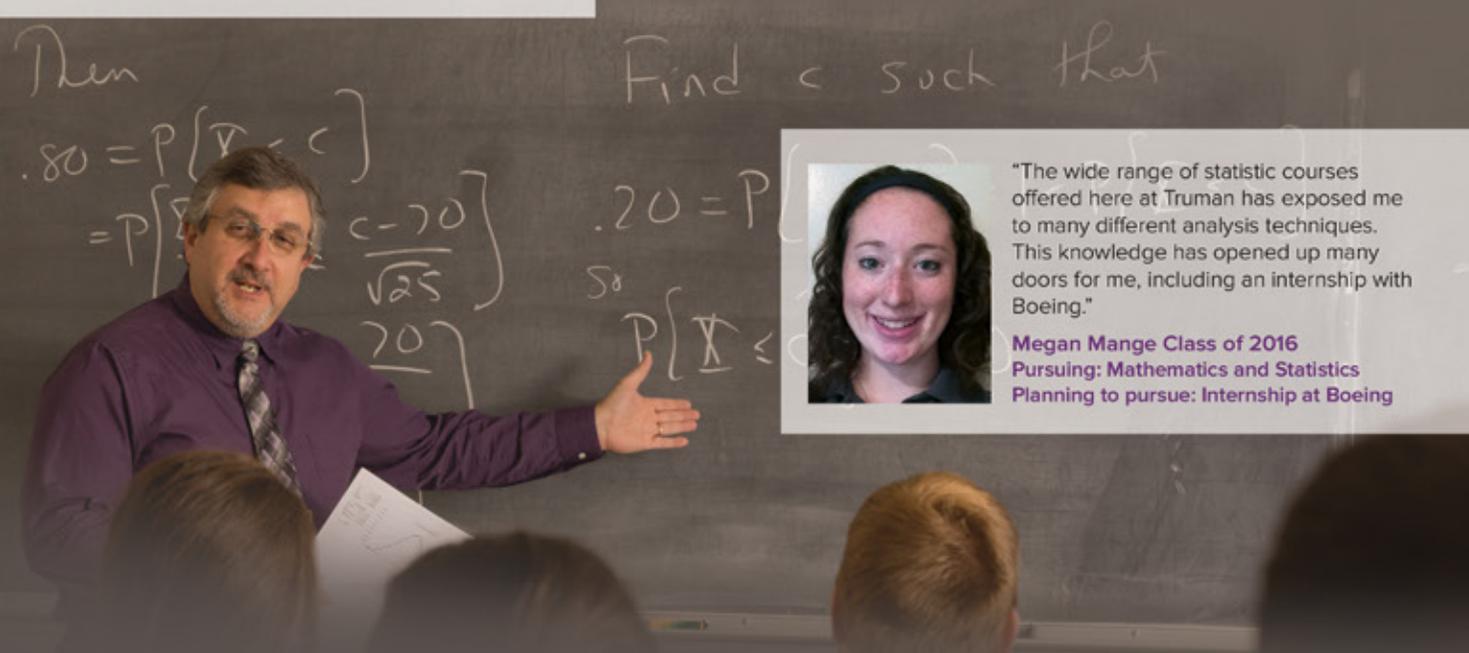


# DEPARTMENT OF STATISTICS




"The wide range of statistic courses offered here at Truman has exposed me to many different analysis techniques. This knowledge has opened up many doors for me, including an internship with Boeing."

**Megan Mange Class of 2016**  
Pursuing: Mathematics and Statistics  
Planning to pursue: Internship at Boeing

## Curriculum: The Power of Choice

When you pursue a statistics minor, you'll work with students from across the university, exploring the use of data to learn about our world and make decisions in the face of uncertainty.

### Statistics: Prepare for Graduate School

- Planning to earn either a master's or Ph.D. in statistics? We designed the statistics minor especially for you.
- Even if you're not, a strong background in "stats" can strengthen any course of study — from business to political science to agriculture.

### Statistical Methods: Complement Any Major

- If you want to improve your data analysis skills, this minor was designed for you — especially if you're considering graduate school in data-driven areas (such as psychology, biology or business) or a data-oriented career in industry.
- Pair it with any major to add a solid statistical foundation to your studies.

### Pursue a Career as an Actuary

- Considering a career in risk assessment for insurance, business and other industries? Equip yourself for success with Truman's actuarial science minor.
- Take classes in economics, mathematics, and statistics to prepare you for the first two actuarial exams, which serve as the gateway into the profession.

## Society of Actuaries at Truman

- Want to belong to an actuarial organization that aims to produce the finest mathematical and business professionals?
- Learn about requirements for entrance into the field of actuarial science, prepare for professional exams, connect with prominent actuarial firms, and meet students interested in the profession.



"Students enhance their degrees with statistics, preparing them for a diverse range of respected graduate programs and rewarding careers."

**Dr. James Guffey**  
Professor of Statistics

## Explore Outside the Classroom

- Use your knowledge of Statistics to pursue undergraduate research in your major or through the Next STEP or Mathematical Biology programs.
- Truman offers intense summer research with direct faculty mentoring.

## The Center for Applied Statistics and Evaluation

- Work with real clients on real problems in a paid consulting program.
- CASE is staffed by statistically-minded students and faculty from a variety of areas—one of the few consulting centers in the nation staffed by undergraduates.
- Student consultants receive extensive training and work in a team structure, often working one-on-one with faculty mentors.
- Clients include external clients and grant programs, as well as researchers on Truman's campus.

## Study Abroad

- Truman grants you access to over 500 study abroad opportunities in more than 60 countries.
- Participate in a faculty-led study abroad program to gain cultural understanding while completing Truman courses!
- Monetary assistance is available, including Truman State University Foundation Scholarships.
- Cultural loans are also available for all programs.

## After the Degree

Pursuing a minor in statistical methods, statistics, or actuarial science prepares you for a range of careers in areas such as:

- actuarial science
- medical research
- consumer marketing
- banking and finance
- insurance
- agribusiness
- environmental sciences
- economics
- scientific research
- teaching...and many more!

## Discover the Hidden Patterns of the World Around You

Learn how to bring the tools of Statistics to bear to understand and solve realworld problems.

Be engaged by a challenging curriculum, with the support of faculty and peers who bring experience from a variety of disciplines.

Whether you pursue theory or practice, learn the skills and ways of thinking that graduate schools and employers value.

Bring order out of chaos. Get prepared for a life that matters.

[TRUMAN.EDU/MAJORS-PROGRAMS/STATISTICS](http://TRUMAN.EDU/MAJORS-PROGRAMS/STATISTICS)

### PURSUING STATISTICS

#### MINORS OFFERED

Statistics  
Statistical Methods  
Actuarial Science

144

approximate number of students pursuing one of these minors

12

number of majors represented in the statistics minors

16

students per year employed as statistical consultants

number of full-time faculty in Statistics

7

DEPARTMENTAL STUDENT ORGANIZATIONS  
Society of Actuaries at Truman State University,  
Mathematical Association of America, Kappa Mu Epsilon,  
Mathematics and Science Secondary Education