

DEPARTMENT OF MATHEMATICS

Speak the Language of the Universe

Learn through collaboration with faculty, conducting interdisciplinary research, and engaging in highly transformative co-curricular activities. (And have fun doing it!)

Be captivated by challenging curriculum while surrounded by supportive peers and professors. At Truman, you learn to apply the latest mathematical theories across multiple disciplines through active learning. From game theory to probability and the mathematics of finance, you will engage in a broad and deep course of study that leaves room for your personal initiative — which is why our students are highly sought after by employers.

Unlock the complexity of reality. Get prepared for a life that matters.

MATH.TRUMAN.EDU



"I can tell that the Math faculty really care about their students. My professors go out of their way to make the material understandable and enjoyable."

Valerie Free, Class of 2016
Pursuing: **Mathematics and Computer Science**
Planning to pursue: **Interning at Garmin, summer of 2015**
Hometown: **St. Peters, MO**

PURSUING MATHEMATICS

BA
BS
DEGREES OFFERED

MAJOR OFFERED
Mathematics

MINOR OFFERED
Mathematics

ALSO SHARES COURSES WITH
STATISTICS, STATISTICAL METHODS,
MATHEMATICAL BIOLOGY, AND
ACTUARIAL SCIENCE

225

approximate number of students pursuing one of these majors

40

approximate number of students pursuing one of these minors

100% of majors engaged in research

16 full-time faculty members

1 part-time faculty member

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

Curriculum: The Power of Choice

- Direct your own path of study in fields like statistics, actuarial science and mathematical biology. Trust in the strength of your rigorous courses, and enjoy the flexibility of your major. Choose the bachelor of science degree for a stronger emphasis in computer science, biology, chemistry, or physics. Or pursue a bachelor of arts if you are interested in obtaining intermediate proficiency in a foreign language.
- Thinking about teaching math and physics? At Truman, you can double-major in Mathematics and Physics, then apply to our Master of Arts in Education (MAE) program. Students who plan to teach physics and math at the high school level can apply for our **Noyce Scholars Program**, which provides scholarships for the undergraduate junior and senior years and one year of graduate school. A Noyce Grant can provide you with up to \$20,000 per year for 3 years if you're interested in becoming a dually-certified secondary mathematics and physics teacher.
- **Minors:** Prepare for careers and/or graduate school in a variety of areas! Mathematics shares courses with the Statistics, Statistical Methods, Mathematical Biology, and Actuarial Science minors.

Student Organizations

- **Kappa Mu Epsilon:** Join a national honors fraternity for mathematics that celebrates the beauty of math through social, service, and academic events.
- **Mathematical Association of America:** Open to all majors. The only prerequisite is an interest in math!
- **Mathematics and Science Secondary Education:** Interested in teaching? Become a part of an organization for both undergraduate Mathematics students planning to enter MAE and for graduate students currently in the MAE. Learn about MAE program requirements, listen to guest speakers, and plan trips to various math conferences. (We also hear that many meetings include math games and snacks!)



"I want students to see that math is more than just useful; it's also fun!"

Michael Adams
Professor of Mathematics

- **Society of Actuaries at Truman State University:** 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.

Research

- Pursue undergraduate research through our Next STEP, Mathematical Biology, and capstone programs. Our intense summer research program with direct faculty mentoring gives you a strong incentive to stick around Kirksville after the spring semester ends.
- Have frequent one-on-one interactions with full-time professors due to our small class sizes and a 16:1 student-to-faculty ratio. Top off your experience with a capstone program that pairs you one-on-one with a mentor for a final research project.

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

- Truman's Mathematics majors receive a strong foundation for successful employment or further education after graduation.
- Recent students have pursued graduate degrees at the following schools: University of Iowa, University of Arizona, MIT, Yale, Purdue.
- Follow Mathematics alumni into positions at: Boeing, the Census Bureau, the National Institute for Mathematics and Biological Synthesis, Principal Financial Group, Towers Watson, or various Missouri high schools.