

HOW TO USE THIS MAP

- UToledo's Major Map is a guide for you to plan for future success while you explore your University experience. The five rows of the map provide a step-by-step guide to integrate your academic courses with experiences on and off-campus that will help build your career readiness.
- Start thinking about life beyond college now and use the map to set short- and long-term goals, such as preparing for graduate or professional schools, preparing for your first career-track job and networking with others in your profession.

RESOURCES FOR SUPPORT

From orientation to graduation, there are many resources to support your University experience.

Your success coach is like your personal GPS. As you navigate from where you are to where you want to be, coaches offer one-on-one guidance and support through referrals to academic support services and other campus resources, and connections to campus engagement and experiential learning opportunities. Visit utoledo.edu/successcoach to connect with your success coach.

Career Services provides comprehensive career planning and preparation services for all UToledo students in order to clarify and implement their academic and career goals. Connect with Career Services during your first year and continue working with them often throughout your academic career. Visit utoledo.edu/career to learn more about the programs, services and events to support your success.



BUILD YOUR EXPERIENCE BEYOND THE CLASSROOM

The department offers multiple opportunities for students to engage in the work of statisticians outside the classroom. Faculty are open to guiding you through undergraduate research projects that allow you to become involved in mathematical research and can lead to honors projects in mathematics. Recent topics have included studies in combinatoric, graph theory, knot theory and persistent homology.

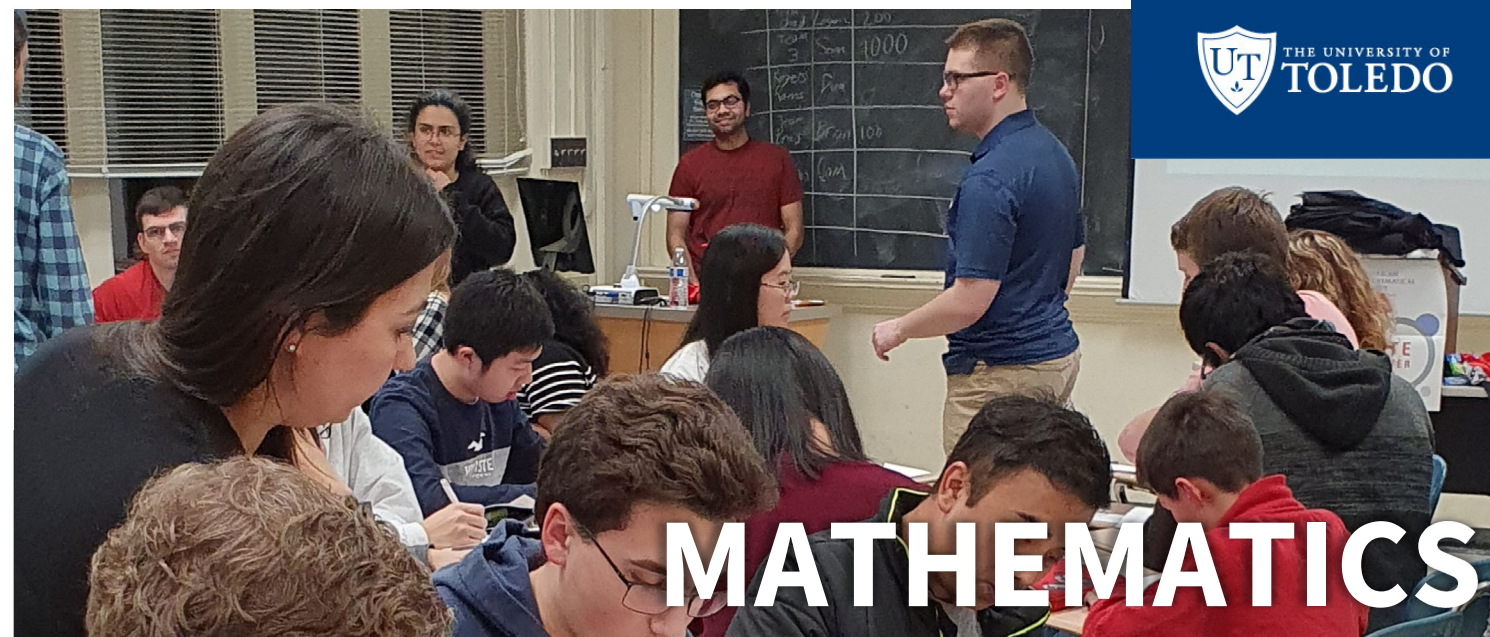
We support extracurricular activities through student organizations such as ΔX , one of UToledo's oldest student organizations, by hosting lectures and math quiz nights in conjunction with the mathematics honor society, ΠME , and the AMS student chapter.

COLLEGE OF NATURAL SCIENCES AND MATHEMATICS

Department of Mathematics & Statistics
Main Campus, University Hall, Room 2040
419.530.2568
utoledo.edu/nsm/mathstats



FUELING TOMORROWS



MATHEMATICS

TOP FIVE REASONS TO STUDY MATHEMATICS AT UTOLEDO

- 1** Experiential learning through hands-on undergraduate research, as early as your first year, working directly with faculty that are experts in their field.
- 2** Solve real-world problems that arise in business, industry and government.
- 3** Intern in business, industry and government - locally and around the U.S.
- 4** Choose from either a Bachelor of Science (B.S.) or Bachelor of Arts (B.A.) degree program with a wide range of concentrations to choose from.
- 5** The job outlook for UToledo's math majors is bright. Five of the top 10 professions in 2021 were math-intensive, according to *CareerCast.com's Jobs Rated report*.

PUTTING YOUR DEGREE TO WORK

- Aerospace & transportation
- Chemical manufacturing
- Climate change
- Communications
- Education
- Financial services
- Information technology
- Medicine
- National security
- Professional services
- Research
- Robotics

AMPLIFY YOUR MAJOR

- Mathematics students often double-major in physics or chemistry.
- Get involved in undergraduate research, it can make you stand out and you may also have the opportunity to present and publish your research results.

"I learned how to develop my creative ideas and intuitions into formal statements and clear exposition through research. My thesis aimed at building connections between two seemingly unrelated areas of mathematics - geometry and number theory - through geometric and topological objects such as knots."

BRIAN GROVE, Ph.D. Candidate/Graduate Teaching Assistant, Louisiana State University, B.S. Mathematics - Pure Mathematics, '20



WHAT WILL I LEARN?

Develop your career readiness competencies to ensure you are prepared to launch your career upon graduation:

- Career & Self Development
- Communication
- Critical Thinking
- Equity & Inclusion
- Leadership
- Professionalism
- Teamwork
- Technology

HOW WILL I USE IT?

Use your degree to attain career positions such as:

- Applied mathematician
- Applied scientist
- Associate data scientist
- Cloud application architect
- Data scientist
- Front end developer
- IT manager
- Instructor
- Modeler
- Operations research analyst
- Product security architect
- Quantitative research analyst
- Question coder
- Research associate
- Scheduler crew
- Senior budget analyst
- Senior data analyst
- Supply planner
- Tester/content developer
- Underwriting assistant