Department of Mathematics and Statistics

Department Chair:

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Graduate Faculty:

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Chen, Yu, Professor, Mathematics. M.S. 1994, Tongji University, China; D.S. 1997, East China Normal University, China; Ph.D. 2002, University of Notre Dame. (2003)

Eckman, Derek, Assistant Professor, Mathematics Education. M.A. 2020 and Ph.D. 2023, Arizona State University. (2023)

Gryazin, Yury, Professor, Mathematics. M.S. 1991, Novosibirsk State University; Ph.D. 1996 Siberian Branch of Russian Academy of Science. (2001)

Kriloff, Cathy, Professor, Mathematics. M.S. 1992, University of Michigan; Ph.D. 1995, University of Michigan. (1997)

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Xie, Xiaoxia (Jessica), Assistant Professor, Mathematics. M.S. 2009, Lanzhou University, China; Ph.D. 2014, Auburn University. (2016)

Zappala, Emanuele, Assistant Professor, Mathematics. M.S. 2016, University of Glasgow, U.K.; Ph.D. 2020, University of South Florida, Tampa. (2023)

Zhu, Yunrong, Professor, Mathematics. M.S. 2003, Southeast University, China; Ph.D. 2008, Pennsylvania State University. (2012)

Program Description	Type	Degree
Doctor of Arts in Mathematics (https://coursecat.isu.edu/graduate/scienceengineering/mathematics/damath/)	Degree	D.A.
Doctor of Philosophy in Engineering and Applied Science (Math) (https://coursecat.isu.edu/graduate/scienceengineering/mathematics/eas/)	Degree	Ph.D.
Master of Science in Mathematics (https://coursecat.isu.edu/graduate/scienceengineering/mathematics/msmath/)	Degree	M.S.

Goals

- Master's degree students develop a broad knowledge of mathematics and a degree of competence in one field within mathematics.
- Doctoral students develop a broad knowledge of mathematics; learn about the roles of instruction, service, and research in the mathematical profession; and study a mathematical topic in depth, reporting their findings in a thesis that meets professional standards.
- Graduate students find employment in teaching or industry.

Doctor of Arts in Mathematics

The Doctor of Arts in Mathematics is designed to prepare the student for a teaching career in institutions of higher learning. The program emphasizes broad competence in mathematics rather than specialization and makes provision for classroom teaching experience.

Master of Science in Mathematics

The Master of Science in Mathematics is designed to provide a broad and in-depth background and prepare the student for further study at the doctoral level or for an industrial or academic career.

Ph.D. in Engineering and Applied Sciences

This interdisciplinary Ph.D. program in Engineering and Applied Science (EAS) is open to students in the Mathematical Sciences (Mathematics, Applied Mathematics, and Statistics) and most other programs in the College of Science and Engineering. Its goals are to prepare graduates to conduct and disseminate independent scholarly research and to prepare graduates for careers in academia, government, or industry.