# MATHEMATICS, M.A.

Ph.D. students in the math department and students enrolled in other UW–Madison Ph.D. programs are eligible to earn an M.A. degree with the named option titled Foundations for Research (FR) (http://guide.wisc.edu/graduate/mathematics/mathematics-ma/mathematics-foundations-research-ma/).

The M.A. degree is available with the named option titled Foundations of Advanced Studies (FAS) (http://guide.wisc.edu/graduate/mathematics/mathematics-ma/mathematics-foundations-advanced-studies-ma/). It is designed to strengthen the student's mathematics background and enhance the opportunities for applications to Ph.D. programs and for employment as a mathematician in nonacademic environments.

## ADMISSIONS

Students apply to the Master of Arts in Mathematics through the named option or the Ph.D.:

- The Foundations for Research (http://guide.wisc.edu/graduate/mathematics/mathematics-ma/mathematics-foundations-research-ma/) named option is offered for work leading to the Ph.D. Students may not apply directly for the master's, and should instead see the admissions information for the Ph.D (https://guide.wisc.edu/graduate/mathematics/mathematics-phd/#admissionstext).
- Foundations of Advanced Studies (https://guide.wisc.edu/graduate/mathematics/mathematics-ma/mathematics-foundations-advanced-studies-ma/)

## FUNDING

## GRADUATE SCHOOL RESOURCES

Resources to help you afford graduate study might include assistantships, fellowships, traineeships, and financial aid. Further funding information (https://grad.wisc.edu/funding/) is available from the Graduate School. Be sure to check with your program for individual policies and restrictions related to funding.

## REQUIREMENTS

## MINIMUM GRADUATE SCHOOL REQUIREMENTS

Review the Graduate School minimum academic progress and degree requirements (http://guide.wisc.edu/graduate/#policiesandrequirementstext), in addition to the program requirements listed below.

## MAJOR REQUIREMENTS

### CURRICULAR REQUIREMENTS

| Requirement | Detail |
|---|---|
| Minimum Credit Requirement | 30 credits |
| Minimum Residence Credit Requirement | 16 credits |
| Minimum Graduate Coursework Requirement | 30 credits must be graduate-level coursework. Details can be found in the Graduate School's Minimum Graduate Coursework (50%) Requirement Policy: https://policy.wisc.edu/library/UW-1244 (https://policy.wisc.edu/library/UW-1244/) |
| Overall Graduate GPA Requirement | 3.00 GPA required. This program follows the Graduate School's policy: https://policy.wisc.edu/library/UW-1203 (https://policy.wisc.edu/library/UW-1203/). |
| Other Grade Requirements | See Named Options for policy information. |
| Assessments and Examinations | None. |
| Language Requirements | No language requirements. |

### REQUIRED COURSES

Select a Named Option (https://guide.wisc.edu/graduate/mathematics/mathematics-ma/#NamedOptions) for courses required.

## NAMED OPTIONS

A named option is a formally documented sub-major within an academic major program. Named options appear on the transcript with degree conferral. Students pursuing the Master of Arts in Mathematics must select one of the following named options:

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- MATHEMATICS: FOUNDATIONS FOR RESEARCH, M.A. (HTTP://GUIDE.WISC.EDU/GRADUATE/MATHEMATICS/MATHEMATICS-MA/MATHEMATICS-FOUNDATIONS-RESEARCH-MA/)
- MATHEMATICS: FOUNDATIONS OF ADVANCED STUDIES, M.A. (HTTP://GUIDE.WISC.EDU/GRADUATE/MATHEMATICS/MATHEMATICS-MA/MATHEMATICS-FOUNDATIONS-ADVANCED-STUDIES-MA/)

## POLICIES

Students should refer to one of the named options for policy information:

- Foundations for Research (http://guide.wisc.edu/graduate/mathematics/mathematics-ma/mathematics-foundations-research-ma/)
- Foundations of Advanced Studies (https://guide.wisc.edu/graduate/mathematics/mathematics-ma/mathematics-foundations-advanced-studies-ma/)

## PROFESSIONAL DEVELOPMENT

# GRADUATE SCHOOL RESOURCES

Take advantage of the Graduate School's professional development resources (https://grad.wisc.edu/pd/) to build skills, thrive academically, and launch your career.

## LEARNING OUTCOMES

1. Learn a substantial body of mathematics presented in introductory graduate level courses in mathematics.
2. Select and utilize appropriate methodologies to solve problems.
3. Communicate clearly in written/oral presentations.
4. Recognize and apply principles of ethical and professional conduct.

## PEOPLE

# PROFESSORS:

Anderson, David F
Andrews, Uri
Arinkin, Dima
Caldararu, Andrei
Craciun, Gheorghe
Denisov, Sergey
Ellenberg, Jordan
Erman, Daniel M
Feldman, Mikhail
Gong, Xianghong
Gurevich, Shamgar
Kent, Autumn Exum (Graduate Director)
Lempp, Steffen
Mari-Beffa, Gloria
Maxim, Laurentiu
Miller, Joseph S
Paul, Sean T
Poltoratski, Alexei
Roch, Sebastien
Rycroft, Christopher
Seeger, Andreas
Seppalainen, Timo
Smith, Leslie M.
Soskova, Mariya
Spagnolie, Saverio
Stechmann, Sam
Stovall, Betsy
Street, Brian Thomas (Associate Chair)
Terwilliger, Paul M.
Thiffeault, Jean-Luc (Chair)
Tran, Hung Vinh
Valko, Benedek (Undergraduate Director)
Waleffe, Fabian
Yang, Tonghai

# ASSOCIATE PROFESSORS

Dymarz, Tullia Maria
Guo, Shaoming
Ifrim, Mihaela
Kim, Chanwoo
Li, Qin
Marshall, Simon Lindsay
Shen, Hao
Shcherbyna, Tetyana
Wang, Botong
Zimmer, Andrew

# ASSISTANT PROFESSORS

Albritton, Dallas
Apisa, Paul
Chen, Nan
Cochran, Amy
Fabien, Maurice
Kemeny, Michael L J
Lawrence, Brian
Loving, Marissa
Lyu, Hanbaek
Ohm, Laurel
Rodriguez, Jose Israel
Uyanik, Caglar
Waldron, Alex
Wu, Chenxi
Zepeda-Nunez, Leonardo

# ACADEMIC STAFF

Benguria Andrews, Soledad (Calculus Coordinator)
Friedman, Tracii (Math Learning Center Director)
Grizzard, Robert (Associate Director for Instructional Programs)
Ivanov, Mikhail (Math Learning Center Instructor)
Jackson, Billy (Director of the Precalculus Program)
Keller, Mitch (Associate Director of Undergraduate Programs)
Kwon, Oh Hoon (Associate Director of the Precalculus Program)
Lindsey, Melissa (Director of Instructional Support)
Phillipson, Kaitlyn (Undergraduate Course Coordinator)
Williams, Cassie (Associate Director of Instructional and Professional Development)
Work, Grace (Associate Director of Undergraduate Research)

# ENROLLMENT COORDINATOR

Kyle Martinez