

# Graduate Programs

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At the graduate level, we offer:

1. **MA in Statistics,**
2. **MA in Mathematics,** and
3. **PhD in Mathematical Sciences.**

## Overviews

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Both our MA in Mathematics and PhD in Mathematical Sciences programs encourage breadth across subjects in mathematics. In particular, both programs require course work from at least three different areas among the five areas of concentration in the department. More [information about the MA and PhD programs](#).

The MA in Statistics is geared to work in applied statistics. More information about the MA in Statistics program.



Either one of the MA degrees is typically finished in two years. The duration of PhD varies. A student entering the program with only a bachelor's degree can expect to spend 5 to 6 years. A milestone of the PhD is the *Admission to Candidacy Exam* which is typically taken in the fourth year of graduate study for those who enter the program without master's degrees. The major work of earning a PhD involves the writing of a research dissertation under the guidance of a faculty member. While our highest degree is a PhD "in mathematics", a significant number of our doctoral dissertations are written on research topics in mathematical **statistics**.

The University Bulletin offers the official descriptions of our graduate programs and courses as well as links to pages about admissions.

## Graduate students highlights

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Our graduate students are very active beyond their regular course work.



Video

They run a weekly seminar in addition to the regular department run seminars.

They run a yearly conference, Binghamton University Graduate Conference in Algebra and Topology, BUGCAT, which has been running since 2008.

## Admission

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Application to our graduate programs is done through the Graduate School. Use the links below to apply.

- The Graduate School main web page
- Admissions
- Admission requirements
- How to apply

Application deadline is January 30, to be considered for funding. All applications received by April 15 will be considered for admission.

## Funding

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Usually a PhD student begins by getting an MA degree. Many of our MA and PhD students are also teaching assistants or in some cases are supported as research fellows. Being a teaching assistant gives the student useful and marketable experience in teaching at the college level, and the duties leave plenty of time for full-time graduate study. Approximately 50 of our 70 graduate students receive financial support of this kind. MAT students do not normally have financial support within the department.

Some links for additional funding:

- [Squier Assistantships](#) available through the department.
- The Binghamton University's Office of External Scholarships, Fellowships and Awards is a major resource of information on external funding.
- A privately maintained web page of Scholarships, Graduate Fellowships & Postdoctoral Awards.

## For current students

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All new graduate students in DOMS are **strongly advised** to read the Graduate Handbook very carefully. In addition, a list of other useful links for all current students is included below.

- University Graduate Student Manual.
- Information for degree completion including deadlines.
- Guidelines for Preparing a Thesis or Dissertation.
- The Graduate School Professional Development page.
- A description of the 3/2 program giving a BA and MAT degree in five years.
- Preparing Future Faculty
- Template files in TeX for typing a thesis in the approved format. *Warning: the likelihood that these files go out of date over time is very high.* Accessible only from computers on campus.
- A list of all PhD past theses at Binghamton.

## Graduate alumni

### Where are our graduate alumni now?

#### In Field and Industry

- Amazon.com, Inc. - Data Scientist
- Celgene
- Corning Inc. - Statistician
- Explorys - IBM Watson Health
- Janssen Research & Development
- JP Morgan Chase
- Wells Fargo Bank - Quantitative Associate

#### In Academia and Higher Education

- Alfred University
- Case Western Reserve University
- Christopher Newport University
- Colgate University
- Cornell University
- Universidade Federal de Sergipe (Federal University of Sergipe)
- Harvey Mudd College
- Indian Institute of Science Education and Research Thiruvananthapuram
- Institut fur Mathematik
- Juniata College
- Ohio State University
- Pennsylvania State University at Harrisburg
- SUNY Brockport
- SUNY Oneonta
- SUNY Oswego
- Texas State University
- University of North Texas
- University of Scranton
- University of Wisconsin Eau-Claire
- Ursinus College
- Utica College
- Trinity College

#### Graduate Newsletter

A newsletter with news about our faculty and graduate alumni.

From:

<http://www2.math.binghamton.edu/> - **Binghamton University Department of Mathematical Sciences**

Permanent link:

**<http://www2.math.binghamton.edu/p/people/fer/gp2>**

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