DA in Mathematics

Admission Requirements

Transcripts of all undergraduate and any graduate work must be submitted. In addition to the Graduate College minimum requirements, applicants must meet the following program requirements:

- **Prior Degrees** MS students in the department who intend to continue on to the doctorate must satisfy the department's master's degree requirements and be recommended by the department for further work. Applicants to the DA Program who have an MST degree should complete the equivalent of the department's MS program.

- **Grade Point Average**At least 3.00/4.00 for the final 60 semester hours (90 quarter hours) of undergraduate study, and an average of 3.00 in all mathematics courses beyond calculus.

- **Tests Required** Neither the GRE General Exam nor the subject exams are required. Applicants may still submit GRE scores; however, an absence of GRE scores will not negatively impact their application.

- **Minimum English Competency Test Score**
  - **TOEFL iBT** 100, with subscores of Reading 19, Listening 17, Speaking 20, and Writing 21 **OR,**
  - **IELTS Academic** 7.0, with 7.0 in each of the four subscores, **OR,**
  - **PTE-Academic** 68, with subscores of Reading 66, Listening 66, Speaking 66, and Writing 66.
- **Letters of Recommendation** Three required from persons familiar with the applicant's academic work.

- **Personal Statement** Required.

Degree Requirements

In addition to the Graduate College minimum requirements, students must meet the following program requirements:

- **Minimum Semester Hours Required** 96 from the baccalaureate.
- **Coursework** At least 40 hours must be in mathematics, including 24 semester hours of regular 500-level courses. Mathematics courses must be chosen so that the areas of computer science, differential equations, geometry, logic, and probability and statistics are all represented.

Code	Title	Hours
Required Courses		
MATH 417	Complex Analysis with Applications	
MATH 445	Introduction to Topology I	
MATH 446	Introduction to Topology II	
MATH 516	Second Course in Abstract Algebra I	
MATH 517	Second Course in Abstract Algebra II	
MATH 533	Real Analysis I	
MATH 534	Real Analysis II	
Education and Math Education		
Twelve hours including:		
MATH 591	Seminar on Mathematics Curricula	
MATH 592	Seminar on Mathematics: Philosophy and Methodology	

Eight hours of graduate-level courses in an area of mathematics or a related science [a]

Electives [b]		
Restricted to math and/or science		

a   *Related sciences include areas such as physics, philosophy, history of science, or another science approved by the department.*
b   *Courses in economics and statistical methods in psychology and education may, under certain conditions, be selected as electives.*

- **Examinations** Students should pass the department's master's examination within one year of completion of 24 semester hours. Students who already have a master's degree upon entering the program must pass the examination within one year of entrance.
  - *Preliminary Examination*: Required.
- **Dissertation** Required. Students must earn at least 20 hours in MATH 599.