

THE GRADUATE PROGRAMS IN MATHEMATICAL SCIENCES

Dear prospective applicant:

Thank you for your interest in the Mathematics graduate program at Kent State University!



The mathematics graduate program, in the Department of Mathematical Sciences, offers the degrees of Master of Arts (M.A.), Master of Science (M.S.), and Doctor of Philosophy (Ph.D.) in either pure or applied mathematics.

The Master's program is intended for those students who want a professional education in mathematics beyond the Bachelor's degree level. The Ph.D. program, in contrast, is designed for students interested in becoming professional scholars, college and university teachers, or independent workers in private, industrial, or government research institutions. Our Ph.D. program is one of six mathematics Ph.D. programs in the state public university system, and one of only two in northeast Ohio.

The mathematics program has 27 graduate faculty members, over 50 graduate students and approximately 100 undergraduate students.

In broad terms, the faculty areas of research lie in functional analysis and operator theory, Lie representation theory, approximation theory, finite groups, character theory, number theory, large scale systems of equations, numerical and scientific computation, and probability and stochastic processes.

Feel free to explore the **Mathematical Sciences Website** at

<http://www.math.kent.edu>

for more information on our department and programs. Our graduate section details all the requirements to complete a degree in our program.

If you want **to apply**, visit the admissions department website at

<https://admissions.rags.kent.edu/>

where you can apply online or download application forms to mail in.

Feel free to call the main department with any questions at 330-672-2430. We hope to hear from you!

Graduate Program Coordinator
Mark Lewis
(330) 672-9033



Pictured above is a view of the Math and CS Library. Just one of the many resources available to our Grad Students.

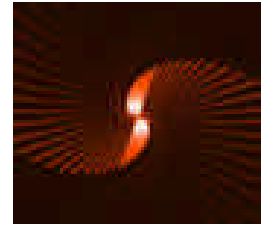
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Master's Admission Standards

Students are generally expected to have a Bachelor's degree in mathematics or a related discipline, with a grade point average of 3.0 out of 4.0. Students with a grade point average of 2.75 will be considered for Conditional Admission.

Scores for the GRE are not required for admission, but if available, they are used in the decision-making process. International applicants must take the Test of English as a Foreign Language (TOEFL), and receive a score of over 550 on the written exam or 213 on the computer exam. The Test of Spoken English (TSE) is not required, but a good score on that test may increase the chance of obtaining financial aid.

(Admission Standards Continued...)

Most MATH programs include the courses that we require for admission, while students in a related discipline may need to take one or two of these courses on their own before applying to our program.

Types of Master's Admission

Students **who have met ALL BUT ONE OR TWO of these requirements**, and who have a **strong** academic background, are sometimes granted a **Conditional Admission** after applying to our Master's program. A Conditional Admission admits them into the Master's program, subject to their completing the missing coursework (which does not count toward their Master's degree). However, students with a Conditional Admission can not receive a graduate appointment.



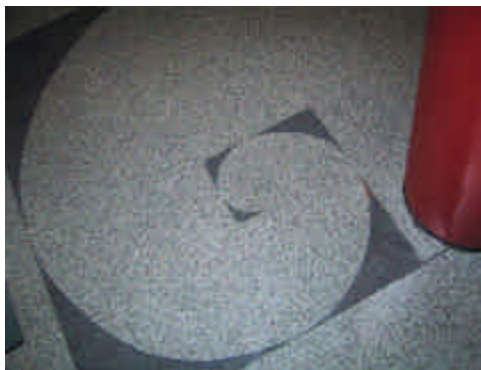
Students **who have NOT MET MOST of these requirements** might want to apply to Kent State as a **Post-undergraduate Student**, take these courses (and possibly their prerequisite courses as well), and then apply for admission to the Master's program at a later date. A post-undergraduate application form can be obtained through the Office of Admissions.

Ph.D. Admission Standards

In general, an applicant to our Ph.D. program should have a Master's degree in mathematics or a closely related discipline such as computational science. Students with a Master's degree in computational science, physics or some other discipline should start in our Master's program and then switch to the Ph.D. program at a later date. At this time, we do not have a "direct" Ph.D. program that avoids the Master's degree.

Choosing an Advisor

When a new post-undergraduate student or graduate student enters our program, that student is assigned an initial Academic Advisor, who will assist and guide the student in course selection and other academic matters. This academic advisor may remain the student's Academic Advisor throughout their degree program, or the student may select a new Academic Advisor at some later date.



Above is a picture of the tiles on the First floor of our building – just one of the mathematical features of our Mathematics and Computer Science Building.

Student Representation

One graduate student is elected each year by his or her peers to serve on the Graduate Student Council. Also, the departmental Undergraduate Studies Committee and the Graduate Studies Committee will ask a graduate student to serve on their committee.

Colloquiums

The Department of Mathematical Science sponsors a series of colloquia during the academic year. These talks, covering many areas of mathematics, have several purposes: to acquaint the audience with the frontiers of research in a particular topic; to give an exposition of some problem, study, or topic of wide interest; or to give an historical perspective and/or survey of some problem, study, or topic of wide interest.



Graduate students benefit from the colloquium series by being exposed to mathematicians and computer scientists, from outside the University, who may be actively involved in problems or topics in which they are interested or have worked. In addition, graduate students will, in some colloquia, be exposed to topics of mathematics that are not emphasized within the Department. Thus, the colloquium series helps to reinforce and broaden the student's graduate education and experience. For these reasons, graduate student attendance at department colloquia is strongly urged.