MASTER OF ARTS IN THE FIELD OF MATHEMATICS

Faculty expertise covers a wide range of research fields, including analysis, ordinary and partial differential equations, dynamical systems, applied math (including numerical analysis), combinatorics, logic, topology and knot theory. With about 30 graduate students and 20 faculty members, there is lively interaction as well as extensive individual attention.

All graduate students have individual advisers throughout their enrollment, starting from the time of admission. New students also receive peer advisers. In addition, research seminars and the department colloquium series help students explore potential research areas.

The MA in Mathematics is a STEM-designated program.

ADMISSIONS

Admission deadlines:
- Fall: April 1 (February 1 for fellowship consideration)
- Spring: January 1

Standardized test scores:
- GRE general test required; GRE subject test recommended (institutional code 5246).
- GRE general test waived for applicants who hold a JD, MD, or PhD.
- TOEFL: 550 on paper-based or 80 on Internet-based; or
- PTE Academic: 53;

Minimum scores for the program are:
- Academic IELTS: an overall band score of 6.0 with no individual score below 5.0; or
- TOEFL: 550 on paper-based or 80 on Internet-based; or
- PTE Academic: 53;

Applicants to the program who do not meet minimum English language requirements may be eligible for our full-time Applied English Language program (https://nondegree.gwu.edu/aes-gw/)

Prerequisite A bachelor’s degree in mathematics or requirements comparable coursework.

Recommendations:
- Two (2) recommendations required.

Supporting documents not submitted online should be mailed to:
Columbian College of Arts and Sciences - Graduate Admissions Office
The George Washington University
801 22nd Street NW, Phillips Hall 215
Washington DC 20052

Contact for questions:
askccas@gwu.edu – 202-994-6210 (phone) – 202-994-6213 (fax)
8:30 am - 5:30 pm, Monday through Friday

REQUIREMENTS

The following requirements must be fulfilled:
The general requirements stated under Columbian College of Arts and Sciences, Graduate Programs (http://bulletin.gwu.edu/arts-sciences/#degeregulationstext).

30 credits in approved coursework divided between mathematics and one of the following areas of application: computer science, economics, engineering (civil, electrical, mechanical, or systems), operations research, physics, or statistics. No more than 12 credits toward the degree can be outside mathematics. Students must petition and obtain the approval of the graduate committee in order to register for courses outside the department. MATH 6995 Reading and Research (independent study), can be taken only by petition to, and with the approval of, the graduate committee.

Up to 6 credits in courses taken at other institutions of the Consortium of Universities of the Washington Metropolitan Area (https://registrar.gwu.edu/consortium/) may count toward degree requirements. Students wishing to take such courses must petition and obtain the approval of the graduate committee.

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>MATH 3613</td>
<td>Introduction to Combinatorics</td>
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<td>MATH 3632</td>
<td>Introduction to Graph Theory</td>
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<td>MATH 3710</td>
<td>Introduction to Mathematical Logic</td>
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<td>MATH 3720</td>
<td>Axiomatic Set Theory</td>
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<td>MATH 3730</td>
<td>Computability Theory</td>
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<td>MATH 3740</td>
<td>Computational Complexity</td>
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<td>MATH 3848</td>
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<td>MATH 4239</td>
<td>Real Analysis I</td>
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<tr>
<td>MATH 4240</td>
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<td>MATH 4981</td>
<td>Seminar: Topics in Mathematics</td>
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