MA in Mathematics

Admission Contact Information
Stephen Montgomery-Smith, Director of Graduate Studies
222 Mathematical Sciences Building
Columbia, MO 65211
(573) 882-6221
eemail: muismathdgs@missouri.edu

Admission Criteria

Notes: Applicants for any graduate degree in mathematics should submit
an application for graduate study. Admission to the graduate program
does NOT guarantee admission to the Ph.D. program. International
Applicants applying from outside North America who seek financial
support from the Department will only be considered for the PhD
program.

Fall deadline: January 15

• While a bachelor’s degree from an accredited institution is required,
  the undergraduate major need not be mathematics as long as applicants
  have had sufficient mathematics training to qualify for
  8000-level courses during the first three semesters of graduate work.
• Minimum TOEFL scores:
  Internet-based test (iBT)  Paper-based test (PBT)
  61 Effective July 1, 2015 must have score of 80
  500 Effective July 1, 2015 must have score of 550

Important Notes: International applicants seeking departmental support
are required to have a minimum TOEFL score of 85 (Internet-based
test) or equivalent. An ibtTOEFL Speaking subscore of 22 or higher is
preferred.

• Minimum total academic IELTS score is 5.5

Required Application Materials

• 3 or more letters of recommendation from your professors or persons
  who assess in detail your academic performance and potential.
• Transcripts
• Personal Statement
• GRE scores (required for PhD application, strongly recommended for
  Masters application)
• TOEFL or IELTS (International students only)

Note: The application is submitted through the Office of Graduate
Studies’ ApplyYourself system. This includes the online credit card
payment $55.00 US for U.S. Citizens and Permanent Residents, $75.00
US for Non-Resident International applicants.

Completing the ApplyYourself Application:

This section consists of four subsections.

• Personal Information: Complete all information as requested.
• Application Information: Applications are considered only starting
  Fall Semester, and only for Full-time study. Select a degree from the
  Graduate Degrees offered by the MU Mathematics Department.
• Indicate your selection for the Mathematics Master of Arts (MA)
• Admissions Category: Graduate Degree Sought at MU: Master's
• Graduate Program to which you are seeking admissions: Mathematics Master of Arts (MA)
• Educational History: Complete all information as requested.
• Test Information:
  • The GRE General Test is required for application to the PhD
    program in Mathematics, and are strongly recommended for
    Masters applicants. GRE General Test scores sent directly from
    the ETS will be considered as part of an application if available.
    The GRE Subject Test is not required, will be considered if
    submitted.
  • MU's Institutional Code for the GRE is: 6875.
  • MU's Institutional Code for the TOEFL is: 6875.

Supplemental Information:

• (required) Upload your Personal Statement, Statement of Goals or
  Statement of Purpose.
• Please indicate the specific degree for which you are applying, any
  additional degrees for which you may later apply, and explain your
  reasons for choosing to pursue these degrees at the University of
  Missouri. Note that admissions criteria for the PhD are more stringent
  than for the Master’s. MU PhD students can later add a Master’s
degree to their program of study without requiring departmental
  approval. MU Master’s students who wish to later add the PhD to
  their program of study require departmental evaluation and approval.

• (optional) Upload your résumé or curriculum vita.
• (optional) Upload your writing sample.
• You may submit samples of your mathematical writings, publications,
  or pre-prints. Please limit to 10 pages.

• (optional) Upload any other supporting documents.
• Unofficial copies of transcripts uploaded by applicant can be used
  for initial evaluation- official transcripts sent directly to the Graduate
  Admissions Office will still be required to finalize admission.

• Unofficial copies of GRE reports uploaded by applicant can be used
  for initial evaluation.

RECOMMENDATIONS: The ApplyYourself (https://
app.applyyourself.com/AYApplicantLogin/II_ApplicantConnectLogin.asp?
id=umc-grad) system will let you request confidential online
recommendation letters from your recommendation providers. You need
to provide the names and email addresses of recommendation providers
who have agreed in advance to write letters for you. The Mathematics
Department application requires at least three recommendation letters
from your professors (or persons who assess in detail your academic
performance and potential).

International Applicants Only

• Unofficial copies of TOEFL/IELTS reports uploaded by applicant
  can be used for initial evaluation - official reports sent directly to the
  Graduate Admissions Office will still be required to finalize admission.
• Affidavit of Support for International Applicants: It is not necessary
to complete this form. International applicants are required to
complete the Affidavit of Support OR provide a letter of support
from a University of Missouri graduate degree program before immigration documents can be issued. All international admissions to the Mathematics graduate program come with financial support which suffices to meet this requirement.

The following (paper) application materials must be on file at the Graduate Admissions office before an admission offer can be finalized:

• Official transcripts/mark sheets from each college or university you have attended (sent directly from the college or university). Applicants with degrees from outside the United States must provide academic credentials in both the native language and in English.
• Official TOEFL or IELTS scores (sent directly from the testing service). Please review the Graduate School's policy regarding proof of English Language proficiency.

Please arrange to have these materials mailed to the following address:

University of Missouri-Columbia
Graduate Admissions
210 Jesse Hall
Columbia, MO 65211
800-877-6312
573-884-8488

MA Degree Completion Requirements

The degree requirements include the satisfactory completion of 30 hours of approved course work, of which at least 18 hours must be at the 8000 level.

<table>
<thead>
<tr>
<th>Required</th>
<th>CR</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 8420 Theory of Functions of Real Variables I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 8410 Algebra I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 8190 Masters Project in Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>or MATH 8090 Master’s Thesis Research in Mathematics</td>
<td>3</td>
</tr>
</tbody>
</table>

Students are expected to make up any required deficiencies in their undergraduate training in advanced calculus and abstract algebra. Students may not list the courses:

<table>
<thead>
<tr>
<th></th>
<th>CR</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 7110 Advanced Calculus With Applications</td>
<td>3</td>
</tr>
<tr>
<td>MATH 7140 Matrix Theory</td>
<td>3</td>
</tr>
<tr>
<td>MATH 7510 Higher Algebra</td>
<td>3</td>
</tr>
</tbody>
</table>

* The successful completion of a Master’s Project (MATH 8190) or Master’s Thesis (MATH 8090) must be certified by a Master’s Committee consisting of three members of the Mathematics regular faculty.

The following table lists the requirements for the MA, and also suggests an order in which to take courses.

<table>
<thead>
<tr>
<th>First Year</th>
<th>CR Spring</th>
<th>CR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 7700</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>7000 Class</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 7920</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Total Credits: 18</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Second Year</th>
<th>CR Spring</th>
<th>CR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 8420</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MATH 8410</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>