MA in Mathematics

Degree 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.

Required

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>CR</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 8420</td>
<td>Theory of Functions of Real Variables I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 8410</td>
<td>Algebra I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 8190</td>
<td>Masters Project in Mathematics *</td>
<td>3</td>
</tr>
<tr>
<td>MATH 8090</td>
<td>Master's Thesis Research in Mathematics *</td>
<td></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:

- MATH 7140 Matrix Theory
- MATH 7110 Advanced Calculus with Applications
- MATH 7510 Higher Algebra

* 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.

Plan of Study

First Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>CR</th>
<th>Course</th>
<th>CR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>3</td>
<td>MATH 7700</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>7000 Class</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>6</td>
<td>MATH 7920</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>7000 Class</td>
<td></td>
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<tr>
<td></td>
<td>6</td>
<td>Total Credits: 18</td>
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</table>

Second Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>CR</th>
<th>Course</th>
<th>CR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>3</td>
<td>MATH 8420</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>8410</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>8000 Class</td>
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<tr>
<td></td>
<td>6</td>
<td>Masters Project</td>
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</tr>
</tbody>
</table>

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)

Important Notes:

- Minimum total academic IELTS score is 5.5

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://applygrad.missouri.edu/apply/) 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

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