PURE MATHEMATICS - M.A.

College of Arts and Sciences
Department of Mathematical Sciences
233 Mathematics and Computer Science Building
Kent Campus
330-672-2430
math@math.kent.edu
www.kent.edu/math

Description
The Master of Arts degree in Pure Mathematics comprises a flexible program of coursework in mathematics beyond the bachelor's degree emphasizing theoretical areas of the discipline (algebra, analysis, geometry, number theory and topology). There is no thesis requirement or option. Students in the pure mathematics Ph.D. degree can apply for this M.A. degree after completing the requisite number of credit hours.

Fully Offered At:
• Kent Campus

Admission Requirements
• Bachelor's degree from an accredited college or university\(^1\) for unconditional admission
• Minimum 3.000 undergraduate GPA on a 4.000 point scale for unconditional admission
• Official transcript(s)
• Goal statement
• Résumé or vita
• Three letters of recommendation
• English language proficiency - all international students must provide proof of English language proficiency (unless they meet specific exceptions) by earning one of the following:
  • Minimum 525 TOEFL PBT score (paper-based version)
  • Minimum 71 TOEFL IBT score (Internet-based version)
  • Minimum 74 MELAB score
  • Minimum 6.0 IELTS score
  • Minimum 50 PTE score

For more information about graduate admissions, please visit the Graduate Studies admission website. For more information on international admission, visit the Office of Global Education's admission website.

Program Requirements

Major Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td></td>
<td>Major Requirements</td>
<td>14</td>
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<tr>
<td></td>
<td>Mathematics Electives, choose from the following:</td>
<td>18</td>
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<tr>
<td></td>
<td>MATH 61051 &amp; MATH 61052</td>
<td>ABSTRACT ALGEBRA I and ABSTRACT ALGEBRA II</td>
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<tr>
<td></td>
<td>MATH 62051 &amp; MATH 62052</td>
<td>FUNCTIONS OF A REAL VARIABLE I and FUNCTIONS OF A REAL VARIABLE II</td>
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<td>MATH 62151 &amp; MATH 62152</td>
<td>FUNCTIONS OF A COMPLEX VARIABLE I and FUNCTIONS OF A COMPLEX VARIABLE II</td>
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<tr>
<td></td>
<td>MATH 66051 &amp; MATH 66052</td>
<td>INTRODUCTION TO TOPOLOGY I and INTRODUCTION TO TOPOLOGY II</td>
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Minimum Total Credit Hours: 32

\(^1\) Students must complete, at minimum, two of the sequences and one semester of one of the remaining sequences. With prior permission from the Graduate Studies Committee, maximum 6 credit hours of mathematically related coursework from other departments can be applied to meet the Mathematics Sequence Electives.

Graduation Requirements
Candidates for the Master of Arts degree must pass the departmental qualifying examination at the master's level in algebra and analysis.

Program note
Each student should submit a detailed plan of study for approval by the advisor by the time the first 16 credit hours of graduate credit have been completed.