MAT: Mathematics Education

The University of Pittsburgh, School of Education, offers a post-baccalaureate program for secondary mathematics teacher certification (grades 7-12), the Master of Arts in Teaching (MAT) Program. The MAT program provides qualified undergraduates in a mathematics discipline with the opportunity to obtain a PA Instructional I Certificate in Mathematics Education, while simultaneously earning a master’s degree.

The MAT Mathematics Program:

- Requires Teaching Interns to take and pass the Mathematics: Content Knowledge test during the first semester of the program (fall).
- Satisfies the requirements for a Pennsylvania Instructional I Certificate (pending passing scores on the national PRAXIS II Exam, successful completion of the PA Statewide Evaluation Form for Student Professional Knowledge and Practice (PDE 430), and satisfactory performance in courses and in the internship.
- Grants students a master’s degree upon successful completion of the MAT program requirements.
- Is completed in three terms (fall, spring, summer 1 session) beginning in late August of the admission year and concluding in mid-June of the following year.
- Consists of 36 credits of graduate course work, combined with a maximum 4.5 days per week internship in a local school district from September through June.

Admissions Requirements:

- Submitted a completed School of Education application form and the $50 (USD) application fee: www.education.pitt.edu/apply. The application deadline is January 15 of the admission year.
- An official transcript from each institution attended. A minimum undergraduate QPA of 3.0 is recommended.
- Official, third-party evaluation of all international transcripts for applicants who have not received a master's degree within the United States. We strongly recommend using World Education Services (WES) to complete this service. Please note that per PDE requirements, an individual pursuing teacher certification in this area must be a citizen of the United States or hold a resident alien visa (green card); additionally, the individual must have filed a declaration of intent to become a citizen.
- A copy of the spring registration form if enrolled in spring term courses.
- Completion of the appropriate prerequisite courses with a letter grade of C or higher.
- Three letters of academic/professional recommendation.
- A thoughtful, clearly written goal statement of at least two to three double-spaced typewritten pages.
- A résumé.
- Documentation of 30 hours of experience working with K-12 children (adolescents are preferred).
- Completion of an admissions interview. Interviews may be face-to-face or conducted via Skype for students who are unable to travel to campus.
**Academic Prerequisites**

*Students applying for the MAT Mathematics program are required to complete the following academic prerequisites, in addition to two required education prerequisite courses*. 

**Prerequisites:**
The completion of a major in mathematics or a mathematics-related field (ex: Physics, Engineering) is required, in addition to the following mathematics courses or their equivalents.

<table>
<thead>
<tr>
<th>The following three prerequisite courses are required:</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Analytic Geometry and Calculus 1</td>
<td>3-5</td>
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<tr>
<td>Analytic Geometry and Calculus 2</td>
<td>3-5</td>
</tr>
<tr>
<td>Analytic Geometry and Calculus 3</td>
<td>3-5</td>
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</tbody>
</table>

The prerequisite courses listed in the chart below must be fulfilled via college level coursework.

Please note that single courses may satisfy multiple areas; for example: a course in statistics that includes probability may satisfy both the probability and the statistics prerequisites. Additionally, a portion of a course that substantially addresses one of the areas may also be accepted; for example: a seminar course in which a research project related to number theory was completed may satisfy the number theory prerequisite. In the case of each of these (or other related) examples, you will be asked to provide further information in order to make your case for potential approval.

<table>
<thead>
<tr>
<th>Abstract Algebra</th>
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<tbody>
<tr>
<td>Number Theory</td>
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<tr>
<td>Linear Algebra</td>
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<td>College Geometry</td>
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<td>Probability</td>
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<tr>
<td>Statistics</td>
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<tr>
<td>History of Mathematics</td>
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**Education Prerequisites**

*All MAT Mathematics Education applicants must complete the following two education prerequisites, in addition to the required academic prerequisites listed above. All prerequisites must be completed prior to the start of the program (fall semester).

<table>
<thead>
<tr>
<th>Prerequisite Courses</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Foundations of Special Education</td>
<td>3</td>
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**Please note:** Meeting or exceeding the application and/or prerequisite criteria DOES NOT guarantee admission.

To apply online, please visit our website at: [www.education.pitt.edu/apply](http://www.education.pitt.edu/apply)

**If you have any questions, please contact:**

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