Master of Arts in Mathematics and Pedagogy
One-year Full-time

Programme Aims

This programme aims to:
(a) broaden students’ knowledge in Mathematics;
(b) help students realise how to teach Mathematics in school from an advanced mathematical standpoint;
(c) expose students to different classroom environments and innovative pedagogical practices in mathematics;
(d) cultivate synergy between subject knowledge and pedagogy in mathematics; and
(e) foster students’ critical thinking to enable them to become reflective practitioners.

Programme Structure

This programme comprises 24 credit points (cps), 3 cps for each core course. Students normally take one year (full-time) to complete the whole programme.

<table>
<thead>
<tr>
<th>Core Courses</th>
<th>Mathematical Studies (12 cps)</th>
<th>Pedagogy in Mathematics (12 cps)</th>
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<tbody>
<tr>
<td>• Algebra and Number Theory</td>
<td>• Instructional Design in Mathematics</td>
<td>• Technology for Mathematics Teaching: An Inquiry Approach</td>
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<tr>
<td>• Foundations of Geometry</td>
<td>• Probability and Statistics</td>
<td>• History and Pedagogy of Mathematics</td>
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<tr>
<th>Elective Courses</th>
<th>Mathematical Thinking and Assessment @</th>
<th>Data Mining and STEM Education @</th>
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<tbody>
<tr>
<td>• Calculus and Mathematical Modelling #</td>
<td>(Choose one from the above elective courses)</td>
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<tr>
<td>• Combinatorics and Graph Theory #</td>
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Contact Hour and Mode of Study

Classes will be scheduled between 8:30am and 9:20pm on weekdays and 8:30am to 6:20pm Saturdays with possible scheduling of combined classes for programmes/courses of different modes of study (including full-time, part-time, mixed mode, etc.). The medium of instruction is flexible (English supplemented with Chinese) and students have opportunities to be exposed to different language environments in learning and teaching mathematics to meet the needs in the school settings.
**Entrance Requirements**

The minimum requirements for this programme application:

1. A recognised Bachelor’s degree, preferably in subject areas other than Mathematics;
2. Obtained in the HKALE Grade E or above in Mathematics or in HKDSE Level 4 or above in Mathematics (Compulsory Part), or an equivalent qualification in Mathematics*; and
3. Applicant whose Bachelor’s degree is obtained from a non-English speaking institution should normally fulfill one of the following English proficiency requirements:
   - (i) IELTS 6.0 or above; or
   - (ii) Grade C or above in GCSE / GCE OL English; or
   - (iii) A TOEFL score of 80 (internet-based test); or
   - (iv) Band 6 in the CET (a total score of 430 or above and the test result should be valid within two years); or
   - (v) Other equivalent qualifications

* Applicants who had studied some Mathematics (or Mathematics-related) courses in their undergraduate or former Colleges of Education will also be considered.

**Tuition Fee**

This programme is offered on a self-financed basis. The tuition fee is HK$120,000 for the whole programme, which is provisional and subject to adjustment. Tuition fees paid are normally not refundable or transferable.

**Targeted Taught Postgraduate Programmes Fellowship Scheme (For Local Students Only)**

Targeted Taught Postgraduate Programmes Fellowships Scheme is a pilot scheme to provide fellowships for local students pursuing designated taught postgraduate programmes in the eight University Grants Committee (UGC)-funded universities. Successful applicants will only need to pay the tuition fee of HK$42,100. For more details, please visit http://www.eduhk.hk/mamp/ or send email to mamp@eduhk.hk.

**Enquiries**

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**Programme Information & Application:**
http://www.eduhk.hk/mamp/

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