



Master of Arts in Mathematics and Pedagogy

One-year Full-time

Programme Aims

This programme aims to:

- broaden** students' knowledge in Mathematics;
- help** students **realise** how to teach Mathematics in school from an advanced mathematical standpoint;
- expose** students to different classroom environments and innovative pedagogical practices in mathematics;
- cultivate** synergy between subject knowledge and pedagogy in mathematics; and
- 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.

	Mathematical Studies (12 cps)	Pedagogy in Mathematics (12 cps)
Core Courses	<ul style="list-style-type: none"> Algebra and Number Theory Foundations of Geometry Probability and Statistics 	<ul style="list-style-type: none"> Instructional Design in Mathematics Technology for Mathematics Teaching: An Inquiry Approach History and Pedagogy of Mathematics
Elective Courses	<ul style="list-style-type: none"> Calculus and Mathematical Modelling # Combinatorics and Graph Theory # <p>(# Choose one from the above elective courses)</p>	<ul style="list-style-type: none"> Mathematical Thinking and Assessment @ Data Mining and STEM Education @ <p>(@ Choose one from the above elective courses)</p>

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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Every effort has been made to ensure that information contained in this leaflet is correct. Changes to any aspects of the programmes may be made from time to time due to unforeseeable circumstances beyond our control and the University reserves the right to make amendments to any information contained in this leaflet without prior notice. The University accepts no liability for any loss or damage arising from any use or misuse of or reliance on any information contained in this leaflet.