

**Bachelor of Science (Honours) in  
Artificial Intelligence and  
Educational Technology  
and Bachelor of Education (Honours)  
(Primary Mathematics)\***

*(Five-year Full-time)*

EdUHK Programme Code: A5B112

JUPAS Code: JS8009

# Programme Introduction

The programme seeks to prepare qualified and professional primary school teachers with competence as well as passion satisfying the educational needs of learners with different natures in a community. Graduates of the programme will have demonstrated academic distinction and strong professional ethics. They will possess the integrated subject knowledge from theories, and practical skills of Primary Mathematics Education, Information and Communication Technology, Artificial Intelligence, and Education Technology. They will recognise the great significance of a life-long dedication to learning and teaching, and a respect for young learners. They will be creative, responsible, and caring individuals who have a strong understanding of the country and the local region, as well as a strong commitment to moral values.

## On completion of the programme, students are expected to be able to

- exhibit pedagogical competence by utilising different generic skills (e.g., problem-solving, critical thinking and creativity) and technology to passionately teach students with diversified natures, and in different school settings;
- uphold teachers' professional conduct and ethics, and display commitments to life-long professional development in response to local, national, regional and global issues of education;
- demonstrate understanding of mathematical concepts and competence in explaining clearly to school pupils;
- plan and implement appropriate learning, teaching and assessment strategies and apply knowledge of artificial intelligence and educational technology to cater to the pupils' individual differences in learning Mathematics;
- demonstrate proficiency in coordinating STEAM education in primary schools; and
- identify, formulate and address educational problems using appropriate methods of artificial intelligence and educational technology in practical situations

## Programme Features

- Have a solid academic knowledge and broad-based professional knowledge in Mathematics;
- Understand education issues in Hong Kong and react positively to educational innovations;
- Are competent in using appropriate methods of artificial intelligence and educational technology to approach and solve real-world problems in educational contexts;
- Can collaborate effectively with students, parents, colleagues, school administrators and other professionals;
- Have a positive and professional attitude.

# Programme Structure

| Domain                                                                                                                                                      | Credit Points (cps)       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| Major <ul style="list-style-type: none"><li>• Discipline / Discipline Studies Major</li><li>• Education Major</li><li>• Cross-Faculty Core Course</li></ul> | 71<br>(35)<br>(33)<br>(3) |
| Education Studies <ul style="list-style-type: none"><li>• Education Studies Core</li><li>• Pedagogy for Major</li></ul>                                     | 30<br>(24)<br>(6)         |
| Field Experience                                                                                                                                            | 22                        |
| General Education                                                                                                                                           | 18                        |
| Language Enhancement                                                                                                                                        | 9                         |
| Final Year Project (Honours Project / Capstone Project)                                                                                                     | 6                         |
| <b>Total:</b>                                                                                                                                               | <b>156</b>                |

## Student's Sharing



**CHAU Cheuk Lam**

**Year 4 Student of Bachelor of Education (Honours)  
(Primary) – Mathematics**

“As a Year 4 student of the Bachelor of Education (Honours) (Primary) - Mathematics programme, I have been equipped with the skills and confidence to educate young learners. The programme offers numerous practical teaching opportunities, allowing me to apply theoretical knowledge in real classroom settings. This programme also places a strong emphasis on STEM education, providing ample opportunities to design and implement STEM lessons. The innovative curriculum and supportive teaching team have thoroughly prepared me to pursue a career in education.”

# Entrance Requirements

For students with HKDSE qualifications:

Four core subjects and two elective subjects with

- Level 3 or above in Chinese Language, English Language and Mathematics (Compulsory Part); and
- “Attained” level in Citizenship and Social Development; and
- Level 2 or above in two elective subjects of which one is from the following subjects: Information and Communication Technology / Biology / Chemistry / Physics / Module 1 (M1) or Module 2 (M2) of Mathematics (Extended Part).

Applicants should also pass the admission interview.

## Career Prospects

The in-depth academic and professional knowledge confers graduates of the programme with excellent career prospects. Graduates will possess a teacher qualification in Hong Kong and are ready to become fully qualified teachers in local primary schools. In addition to the professional teaching career, graduates will possess the academic knowledge and intellectual skills to embark on a wide variety of other relevant jobs in the government sector, non-government organisations, commercial organisations, publishing sector, etc.

**Admission  
Enquiries**

☎ (852) 2948 6886  
✉ [admission@eduhk.hk](mailto:admission@eduhk.hk)

**General  
Enquiries**

☎ (852) 2948 7824  
✉ [mit@eduhk.hk](mailto:mit@eduhk.hk)



Please visit our Department Website  
<https://www.eduhk.hk/mit/en/>  
for further details



Please visit our Programme Website  
[https://www.eduhk.hk/mit/en/aiet\\_pma](https://www.eduhk.hk/mit/en/aiet_pma)  
for further details

### Disclaimer and Notes:

As the 2025/26 academic year is the beginning of the 2025/26 - 2027/28 triennium, the programmes to be offered in the 2025-28 triennium with allocation of UGC-funded places are still subject to the Government's approval. Every effort has been made to ensure the accuracy of the information contained in this leaflet. Changes to any aspects of the programmes may be made from time to time as due to change of circumstances and the University reserves the right to revise any information contained in this leaflet as it deems fit 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.

Any aspect of the courses and course offerings (including, without limitation, the contents of the course and the manner in which the course is taught) may be subject to change at any time at the sole discretion of the University if necessary. Without limiting the generality of the University's discretion to revise the courses and course offerings, it is envisaged that changes may be required due to factors including staffing, enrolment levels, logistical arrangements, curriculum changes, and other factors caused by change of circumstances. Tuition fees, once paid, are non-refundable.

Students admitted into this programme are required to visit the Greater Bay Area (GBA) and/or other parts of Mainland China. The programme may also require students to participate in other non-local learning experience for completion of the programme. While the visits are subsidised, students are required to contribute part of the estimated cost of the visits ("students' contribution"), whereas any personal entertainment, meals expenses, travel document fee and personal insurance costs shall be at students' own expense. The estimated cost of the visits and students' contribution for students admitted to the coming cohort is yet to be available due to a variety of factors such as inflation of cost of the visits, trip duration, traveling expenses, the exchange rate, etc.

Starting from the 2024/25 cohort, students admitted to the full-time Bachelor of Education and Double Degree programmes are required to fulfil the "Exit Requirements for Teachers' Professional Conduct and Ethics", which consists of three components: 1) Fulfilment of assessment requirements of Field Experience; 2) Satisfactory completion of two required courses related to Teachers' Professional Conduct and Ethics; 3) Fulfilment of relevant co-curricular requirement.

EdUHK is one of the teacher education providers in Hong Kong. Graduates of the University's teacher education programmes are eligible to apply to become fully qualified Registered Teachers. For registration as a teacher, graduates should approach the Teacher Registration Team of the Education Bureau (EDB) to submit applications directly. All applications will be independently assessed by the EDB which will consider, among other things, whether an applicant has been convicted of any criminal offence (including sex-related offences) in Hong Kong or elsewhere, or is involved in any ongoing criminal proceedings or investigations. For details, please browse the EDB's official website.