



香港教育大學

The Education University
of Hong Kong



Bachelor of Science (Honours) in Artificial Intelligence and Educational Technology

and Bachelor of Education (Honours) (Information and Communication Technology and Primary Science)*

(Five-year Full-time)

EdUHK Programme Code: A5B111

JUPAS Code: JS8008



Department of
**Mathematics and
Information Technology**

* This is a new Double Degree programme to replace Bachelor of Education (Honours) (Secondary) – Information and Communication Technology programme.

Programme Introduction

The programme aims to nurture adept and visionary educators equipped with the expertise to cater to the multifaceted educational requirements of learners. Embracing the ethos of inclusivity and community values a diverse range of intelligences within the realms of ICT and Primary Science education, AI and EdTech. Through rigorous training and immersive experiences, we aim to produce professionals who can navigate and harness the transformative power of these technologies to shape the future of education.

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 a comprehensive understanding of fundamental concepts and principles in key areas of ICT, Primary Science, AI, and EdTech, facilitating the application of information processing, programming, database management, neural networks, machine learning, and deep learning for solving real-world problems and the use this knowledge to enhance teaching and learning experiences through the integration of cutting-edge tools and concepts ;
- demonstrate an understanding of methods for analysing computational problems and planning and implementing solutions with ICT and AI in real-world scenarios, with a focus on ICT and Primary Science education
- acknowledge the ethical, legal, and social, implications of merging ICT, AI, and EdTech, and understand how knowledge sharing via these technologies and digital literacy affects our society and decision-making; and
- implement innovative pedagogical practices empowered by AI -intelligent tutoring systems, AI-driven virtual learning environments, and immersive VR and AR apps focusing on cutting-edge Educational Technologies to enhance teaching and learning of ICT and Primary Science.

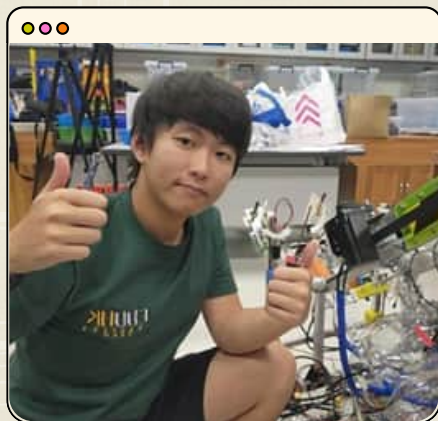
Programme Features

- Foster a comprehensive understanding of ICT education, Primary Science education, AI and EdTech concepts and methodologies, enabling students to address the diverse abilities and backgrounds of students in ICT and Primary Science educational environments
- Nurture pedagogical skills and professional knowledge by integrating theoretical insights with practical applications from ICT education, Primary Science education, AI and EdTech
- Encourage critical and innovative analysis of local, national, regional, and global social issues relating to the use of ICT education, Primary Science education, AI and EdTech in educational settings

Programme Structure

Domain	Credit Points (cps)
Major • Discipline / Discipline Studies Major • Education Major • Cross-Faculty Core Course	71 (35) (33) (3)
Education Studies • Education Studies Core • Pedagogy for Major	30 (24) (6)
Field Experience	22
General Education	18
Language Enhancement	9
Final Year Project (Honours Project / Capstone Project)	6
Total:	156

Student's Sharing



CHAN Ming Kit, Jimmy

Year 5 Student of Bachelor of Education (Honours) (Secondary) – Information and Communication Technology

"My journey at MIT of EdUHK has been transformative. The blend of theoretical knowledge and hands-on experience in the BEd(S)-ICT program, especially my involvement in the EdUHK Robotics Team, has prepared me to tackle the challenges of modern education. Leading the team and participating in competitions have honed my technical skills and leadership abilities. The supportive faculty and collaborative environment have nurtured my passion for technology and education, pushing me to innovate and inspire future generations. I'm grateful for the opportunities and experiences that have shaped my professional and personal growth."

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 3 or above in one elective subject from the following subjects: Information and Communication Technology / Biology / Chemistry / Physics, and Level 2 or above in any one elective subject.

Applicants should also pass the admission interview.

Career Prospects

The in-depth academic and professional knowledge confer graduates of the programme with excellent career prospects. They will possess a teacher qualification in Hong Kong and are ready to become fully qualified teachers in local primary and secondary 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**



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admission@eduhk.hk

**General
Enquiries**



(852) 2948 7824



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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_ict
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.

Students admitted into this programme are normally assigned a focus of study (i.e. primary or secondary level) by the end of their first year of study. The focus of study will be reflected in the arrangements for their Field Experience and adopted for the purpose of application for Registered Teacher in Hong Kong upon graduation. This programme is designed to provide students with the disciplinary and professional competency to teach in both primary and secondary schools. However, recognition of Registered Teacher in primary or secondary schools in Hong Kong is subject to the decision of the Education Bureau (EDB). Graduates of this programme are required to approach the Teacher Registration Team of the EDB to submit applications directly and all applications will be independently assessed by the EDB.