香港教育大學
The Education University of Hong Kong

JUPAS Code: JS8714   EdUHK Programme Code: A4B095

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

[Year 1 Admissions / Senior Year Admissions]

FACULTY OF LIBERAL ARTS AND SOCIAL SCIENCES
博文及社會科學學院

Programme Aims

The programme aims to:

a. provide students with fundamental knowledge and skills in artificial intelligence and educational technology;

b. develop students' ability in applying knowledge of artificial intelligence and educational technology appropriate to teaching and learning;

c. build up students' skills in using appropriate methods of artificial intelligence and educational technology to approach and solve real-world problems in educational contexts; and

d. equip students with the capacity to conduct and evaluate educational projects supported by ethical use of artificial intelligence and educational technology.

Programme Features

- Industry-Relevant Skills: Provides technical knowledge in AI, including machine learning, neural networks, natural language processing, computer vision, and data science, along with essential soft skills for various career paths.

- Interdisciplinary Focus: Integrates AI with educational technology, preparing students for roles at the intersection of these fields.

- Hands-on Learning: Emphasizes practical experience through internships, projects, and lab work, enabling students to apply their skills in real-world settings.

Programme Structure

| Domain		Year 1 Admissions	Senior Year Admissions
		Credit Points	
Major	• Major Core	33	15
	• Major Electives	6	6
	• Cross-Faculty Core Course	3	3
	• Living and Working in Our Country	3	/
	• Major Interdisciplinary Course	3	3
	• Internship	6	6
Second Major* / Minor(s) / Electives		30	15
General Education		22	6
Language Enhancement		9	/
Final Year Project (Honours Project / Capstone Project)		6	6
Total		**121**	**60**

* Not applicable for Senior Year Admissions

Experience Sharing

WANG Yunqi   Year 3 student

"During my two years of study, I have taken professional courses such as Programming, Calculus, Neural Networks, and Natural Language Processing, all of which are essential for understanding the AI field. The curriculum in my major is highly relevant, and I have also deepened my understanding of teaching through the excellent educational resources at the University. Over these two years, I have successfully completed two internships related to data science and communications, and I also participated in a Student Exchange Programme at Peking University. Additionally, the University offers many AI- and data science-related seminars for students to participate in. I am very grateful for the learning opportunities provided by the BSc(AI&EdTech) programme, and in the future, I will continue to research the integration of AI and education."
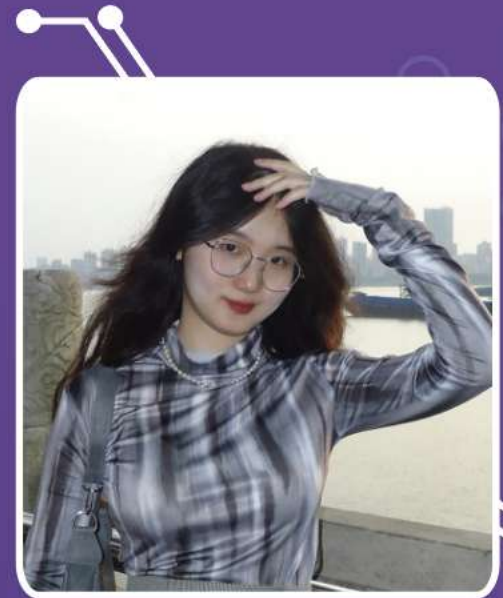
HUI Pang Sik   2024 Graduate

"Throughout my studies in the BSc(AI&EdTech) programme, I engaged in numerous projects that allowed me to develop expertise in various AI fields, such as machine learning, computer vision, and natural language processing. One particularly rewarding project involved designing a model to facilitate essay grading for secondary school teachers using techniques in machine learning and natural language processing.

My time in this programme has been pivotal in fostering both my personal and professional growth. Through diverse coursework and internships, I have not only strengthened my technical skills but also gained invaluable soft skills, including critical thinking, effective communication, and global awareness. These skills will undoubtedly serve me well in my future career.

Looking ahead, I am eager to leverage my knowledge and skills in AI and educational technology to contribute to the education sector in Hong Kong. I aspire to work for forward-thinking companies and organizations to develop intelligent educational tools and systems. My ultimate goal is to bridge the gap between technology and education, making learning more accessible, personalized, and effective for students."

Entrance Requirements

Year 1 Admissions

For students with HKDSE qualifications:

Four core subjects and two elective subjects with

- Level 3 or above in English Language, Chinese Language and Mathematics (Compulsory Part); and
- "Attained" 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; or Module 1 (M1) or Module 2 (M2) of Mathematics (Extended Part); or one Science subject (i.e. Biology / Chemistry / Physics / Combined Science / Integrated Science).

Priority consideration will be given to applicants who have taken more than one of the above elective subjects. Applicants should also pass the admission interview.

Senior Year Admissions

Applicants should normally

- hold a recognised post-secondary qualification, such as a Higher Diploma or Associate Degree or equivalent in information technology, statistics or engineering related disciplines with a good GPA; or
- be a final-year student of a recognised Higher Diploma / Associate Degree or equivalent in information technology or engineering related disciplines (subject to successful completion of the programme with a good GPA); or
- be a transfer student who is currently enrolled in a Bachelor's degree or higher degree programme in information technology or engineering related disciplines at a local or non-local university.

Applicants should also fulfil English and/or Chinese language requirement, unless exempted by the University; and pass the admission interview.

Career Prospects

This programme prepares graduates to pursue technical and support positions across various sectors, such as AI engineers, data scientists, software engineers, e-learning developers, educational technology specialists, and teaching assistants. Graduates can find opportunities in the IT industry, schools, educational technology companies, IT-related positions in various industries, as well as government and non-governmental organisations. Additionally, the programme provides a strong foundation for graduates who are interested in pursuing postgraduate studies in artificial intelligence, education, or information technology.

Admission Enquiries

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🌐 www.apply.eduhk.hk/ug

Programme Enquiries

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