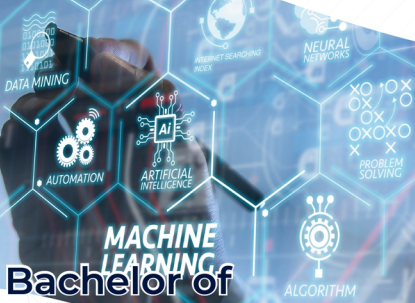




UOW
COLLEGE
HONG KONG
香港伍倫貴學院

Part of
**UNIVERSITY
OF WOLLONGONG**
AUSTRALIA



Bachelor of Science (Honours) in Artificial Intelligence

BScAI

NMTSS

FACULTY OF
**SCIENCE AND
TECHNOLOGY**

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st **1 Year** ^{HKD}
Tuition fee **35,810** *

* Non-means-tested Subsidy Scheme (NMTSS) for Self-financing Undergraduate Studies in Hong Kong

83% *

Faculty Further Studies Rate

* Local / overseas institutions, including non-government-funded programmes



Programme Features

The Bachelor of Science (Honours) in Artificial Intelligence is an application-oriented programme that provides students with a sound understanding of artificial intelligence (AI) technologies and its applications. Its graduates will be able to apply their comprehensive knowledge and the latest skills to create AI products and implement AI solutions to enhance productivity and facilitate strategic decision-making in selected industries.

Graduate Outcome

This programme produces graduates skilled in the practical aspects of artificial intelligence as well as software development, who can apply their knowledge to develop innovative solutions and contribute to the advancement of AI technologies.



Competency Achieved

A strong competency in computer science fundamentals, programming, artificial intelligence, machine learning, and emerging technologies and the skills to design and implement innovative solutions, analyze complex data sets, and contribute to advancements in artificial intelligence and its applications.

Main Subject Areas

Fundamentals of Computer Science

- Basic Calculus and Linear Algebra
- Introduction to Programming
- Computer Organization
- Discrete Mathematics

Programming and Software Development

- Object-Oriented Programming and Design
- Data Structures and Algorithms
- Database Systems and Design
- Programming in Python for Artificial Intelligence

Artificial Intelligence and Machine Learning

- Fundamentals of Artificial Intelligence
- Machine Learning
- Data Mining
- Deep Learning
- Computer Vision

Emerging Technologies and Applications

- Mobile Application Design
- Computer Systems Security
- Cloud Computing and Big Data Systems
- Capstone Project with Artificial Intelligence
- Research Methods

Career Prospects

Graduates of this programme have a great variety of choices in the field of artificial intelligence and technology. Jobs such as software engineers/developers, AI application developer, junior AI engineer, machine learning developer, data analytics (AI & Robotics), data scientist, and more are open to them.

Further Studies Pathways

(below is not exhaustive but only aims to show some examples)

University of Wollongong

- Master of Computer Science (Machine Learning and Big Data)

City University of Hong Kong

- Master of Science in Computer Science

Hong Kong Baptist University

- Master of Science in AI and Digital Media
- Master of Science in Data Analytics and Artificial Intelligence

The Hong Kong Polytechnic University

- Master of Science in Artificial Intelligence and Big Data Computing
- Master of Science in Blockchain Technology
- Master of Science in Metaverse Technology

The Hong Kong University of Science and Technology

- Master of Science in Big Data Technology
- Master of Science in Information Technology