THE HONG KONG
POLYTECHNIC UNIVERSITY
香港理工大學

Department of
Data Science & Artificial Intelligence
數據科學及人工智能學系

Programme Code: 62037

MASTER OF SCIENCE IN
ARTIFICIAL INTELLIGENCE AND BIG DATA COMPUTING

Artificial intelligence and big data (AIBD) technologies are experiencing rapid development in society and industry. Combining technologies from computer science and machine learning, this programme is designed to teach students how to understand and create value from AIBD.

CHARACTERISTICS

» The programme focuses on research on and applications of AIBD.

» It comprises a core set of subjects on AIBD programming and practices, as well as a compulsory dissertation.

THERE ARE INCREASING REAL-WORLD APPLICATIONS REQUIRING THE FOUNDATION OF AI AND BIG DATA COMPUTING, SUCH AS SMART CITY, INDUSTRY 4.0, SMART HEALTH, AUTONOMOUS DRIVING, FINTECH, AND OTHERS.

PROGRAMME AIMS

» To provide students with knowledge of AIBD from the perspective of research and practical applications.

» To meet the increasing market demand for high-quality personnel with expertise in AIBD computing in Hong Kong.

DURATION AND CREDIT REQUIREMENT

MODE OF STUDY	*MIXED-MODE (FULL-TIME / PART-TIME)*
NORMAL DURATION	*1 YEAR (FULL-TIME) / 2 YEARS (PART-TIME)*
CREDITS REQUIRED FOR GRADUATION	*31*
TYPE OF FUNDING	*SELF-FINANCED*

STUDY PATTERN

AIBD programme core (Programme-Core) subjects	*3 credits*
Artificial Intelligence core (AI-Core) subjects	*6 credits*
Big Data Computing core (BD-Core) subjects	*6 credits*
Compulsory dissertation	*9 credits*
Electives, BD-Core, AI-Core, and/or Programme-Core subjects	*6 credits*
Academic Integrity and Ethics (AIE) subject	*1 credit*

ENTRANCE REQUIREMENTS

>> *A Bachelor's degree in Computing/ Computer Science/ Engineering, Information Systems, Mathematics or other related disciplines*

>> *Applicants with a Bachelor's degree in other disciplines with at least 3 years of relevant work experience in IT will also be considered*

CAREER PROSPECT

Graduates of this programme are expected to possess the necessary knowledge to pursue careers in AIBD application areas, such as smart cities, e-commerce, sales and marketing, banking and other related industries.

ENQUIRY

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