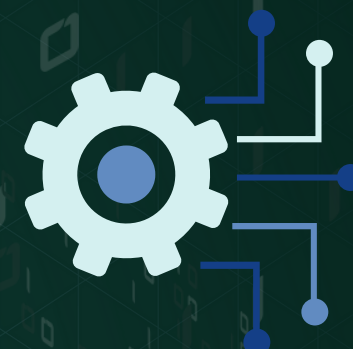




香港教育大學
The Education University
of Hong Kong



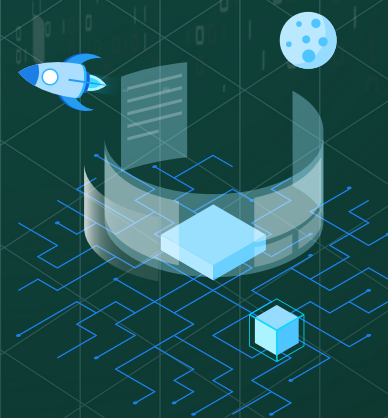
MASTER OF SCIENCE IN APPLIED DATA SCIENCE

應用數據科學理學碩士

One-year Full-time 一年全日制

PROGRAMME CODE: A1M137

課程編號: A1M137



Department of
Mathematics and
Information Technology

ADMISSION ENQUIRIES 入學查詢

☎ (852) 2948 6886

✉ admission@eduhk.hk

GENERAL ENQUIRIES 一般查詢

☎ (852) 2948 7824

✉ mit@eduhk.hk

PROGRAMME INFORMATION & APPLICATION 課程資訊與申請



Please refer to the following website for more information:

更多資訊，請參閱以下網站：

www.eduhk.hk/mit/en/mscads

Disclaimer: 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.

EduHK, has not collaborated with any agency in Chinese Mainland or Hong Kong on admission, and does not encourage students to entrust their applications to any third-party agents and we always contact applicants directly on updates regarding the applications. You must complete and submit your own application via the EduHK online admissions system and provide your own personal and contact details. Please refer to the official EduHK channels, such as programme websites and the admissions system, for the required information to complete your application.

EdUHK Excels in 2025 QS World University Rankings;
Ranked 4th in Asia & 12th in the World in Education

香港教育大學於2025 QS 世界大學學科
排名 (教育領域) 全球十二、亞洲第四



PROGRAMME AIMS 課程目標

This programme aims to:

- equip students with a robust theoretical and practical foundation in data science and artificial intelligence
- fostering innovation and expertise across diverse domains, including education, decision with business intelligence, and big data management.
- develop professionals who can explore and leverage data-driven insights and advanced analytics to drive decision-making, enhance educational practices, and
- create cutting-edge Artificial Intelligence (AI) applications.

本課程旨在為學生提供紮實的數據科學與人工智能理論及與實務基礎，培養其在教育、商業智慧決策及大數據管理等多元領域中的創新能力與專業知識。課程設計目標是培育能夠探索並運用數據驅動洞察與先進分析技術的專業人才，以推動決策制定、優化教育實踐，並創建尖端人工智能（AI）應用。

ENTRANCE REQUIREMENTS 入學要求

- A recognised bachelor's degree or equivalent. Degrees related to science, engineering, or other relevant disciplines are preferred;
申請人一般須持有認可的學士學位或同等學歷，具理科、工程或其他相關學科背景者將獲優先考慮。
- Applicants from institutions where English is not the medium of instruction are required to demonstrate English proficiency that meets the programme's established standards. They should have attained scores in one of the following recognised English proficiency tests as indicated:
申請人如非在英語授課的院校取得學士學位，其英語水平須符合以下其中一項要求：
 - Overall score of IELTS 5.5 (academic version)*; 雅思水平達 5.5 ；
 - TOEFL score of 59 (internet-based test)*; 托福 TOEFL 分數 59 (網絡考試) ； 或
 - Band 6 in the College English Test (CET)* with a total score of 430; 中國內地的全國大學英語六級考試成績不少於 430 分； 或
 - Grade C or above in GCSE/GCE O-Level English; or GCSE/GCE O-Level 英語 C 級或以上； 或
 - Other equivalent qualifications on a case-by-case basis. 其他同等資格，視個別情況而定。
- TOEFL Home Editions, TOEFL MyBest Score, IELTS Indicator, IELTS Online, IELTS One Skill Retake, Duolingo and National Postgraduate Entrance Examination (全國碩士研究生招生考試) are NOT acceptable.
TOEFL 家庭版、TOEFL MyBest Score、IELTS Indicator、IELTS Online、IELTS One Skill Retake、Duolingo 及全國碩士研究生招生考試成績恕不接受。

* The test should be taken in test centres and the result should be valid within two years.
* 測試必須於正式考場進行，且成績須於兩年內有效。

- Applicants who obtained a bachelor's degree from an institution outside of Hong Kong, Chinese Mainland, Taiwan and Macau should have attained scores in one of the following Chinese Language or Chinese-related examinations: 於香港、中國內地、台灣及澳門以外地區取得學士學位的申請人，須於以下其中一項中文或中文相關考試中取得相應成績：
 - Level 3 / Grade E in Hong Kong Diploma of Secondary Education Examination (HKDSE) / Hong Kong Certificate of Education Examination (HKCEE) / Hong Kong Advanced Level Examination (HKALE); 香港中學文憑考試 (HKDSE) / 香港中學會考 (HKCEE) / 香港高級程度會考 (HKALE) 中文科成績達第 3 級 / E 級；
 - A score of 110 in the Joint Entrance Examination for Universities in the People's Republic of China (JEE / Gaokao)(full marks 150); 中國普通高等學校招生全國統一考試（高考）中文科成績達 110 分（滿分 150 分）；
 - Grade E or above in GCE A-Level/AS-Level; GCE A-Level / AS-Level 中文科成績達 E 級或以上；
 - Grade 4/Grade C or above in GCSE/IGCSE/GCE O-Level; GCSE/IGCSE/GCE O-Level 中文科成績達第 4 級 / C 級或以上；
 - Grade 4 or above in International Baccalaureate (IB); or 國際文憑（IB）中文科達第 4 級或以上； 或
 - Other equivalent qualifications on a case-by-case basis. 其他同等資格，視個別情況而定。
- Shortlisted applicants may be required to attend an interview. 通過初選的申請人或須出席面試。

PROGRAMME CURRICULUM 課程大綱

The MSc(ADS) is a one-year full-time taught postgraduate degree programme, which comprises 24 credit points (cps) over 1 year. The programme curriculum consists of 4 core courses and 7 elective courses. Each course carries 3 cps.
本課程是一個一年全日制授課式研究生課程，總學分為 24 學分。課程結構包括 4 門必修科目及 7 門選修科目，每科目 3 學分。

Core Courses 必修科目	Elective Courses 選修科目
• Advanced Data Analytics 高級數據分析 • Applied Programming with Python 應用Python程式設計 • Database Systems and Management 數據庫系統與管理 • Foundations for Data Science and AI 數據科學與人工智能基礎	• Advanced Artificial Intelligence 高級人工智能 @ • Cyber Security and its Application in Education 網絡安全及其在教育中的應用 @ • Data Visualisation 數據可視化 @ • Predictive Analytics 預測分析 @ • Generative Artificial Intelligence and Applications 生成式人工智能及其應用 @ • Learning Analytics and Educational Data Science 學習分析與教育數據科學 @ • Social Computing and Media Data Analytics 社會計算與媒體數據分析 @
@ Choose four out of seven @ 請在其中七門選修科目中選擇四門修讀	