

▶ Entry Requirement 入學要求

- ▶ A bachelor's degree in any non-IT related discipline from a recognized institution or equivalent qualification.
- ▶ Applicants must meet the English language proficiency requirements set by HKMU if their bachelor's degrees or equivalent qualifications did not adopt English as the medium of instruction.*
 - * Shortlisted applicants will be invited to attend an admissions interview (face-to-face or online). Applicants must pass an admissions interview to successfully apply.
- ▶ 持有本大學認可的高等院校所頒授的非資訊科技相關學科學士學位或同等資格；及
- ▶ 英語語言能力要求：如果申請人的學士學位或同等學歷不是採用英語作為教學語言，則申請人必須滿足大學規定的英語能力要求。*
- * 入圍申請人將被邀請參加（面對面或線上）入學面試。申請人必須通過入學面試才能成功申請。

▶ Admission Application 入學申請

- ▶ Students interested in this programme should apply through HKMU Online Application System
- ▶ 對本課程有興趣的學生應透過香港都會大學網上申請系統申請



▶ Career prospects 職業前景

- ▶ Further study
Higher research degree
- ▶ Job opportunities
Graduates will have the ability to become professional software developers, software engineers, mobile application developers, and artificial intelligence and machine learning designers. The training graduates receive will enable them to continue to develop expertise in selected areas such as artificial intelligence, data mining and cyber security. They will also gain skills and knowledge in business and industry that will facilitate future advancement into management or leadership positions.
- ▶ 進修
更高的研究學位
- ▶ 工作機會
畢業生將具備成為專業軟件開發人員、軟件工程師、行動應用程式開發人員以及人工智慧和機器學習設計師的能力。畢業生接受的培訓將使他們能夠持續發展人工智慧、資料探勘和網路安全等選定領域的專業技能。他們還將獲得商業和工業領域的技能和知識，有利於未來晉升到管理或領導職位。

▶ Enquiries 查詢

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Programme Leader

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Website



Whatsapp

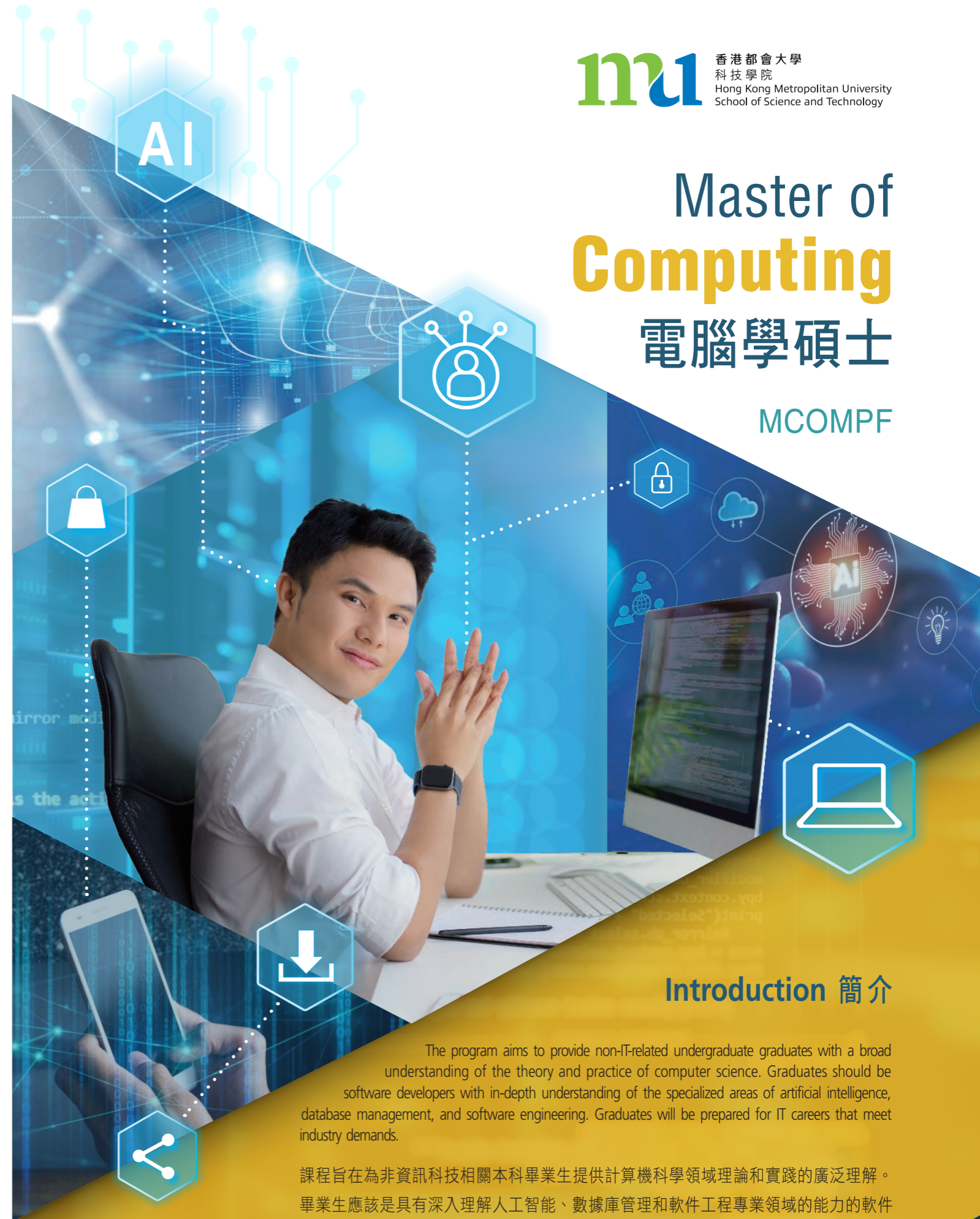


Wechat

Website 網址：<https://www.hkmu.edu.hk/st/computing/programmes/full-time/3-credit-unit/mcompf/>

Master of Computing 電腦學碩士

MCOMPF



Introduction 簡介

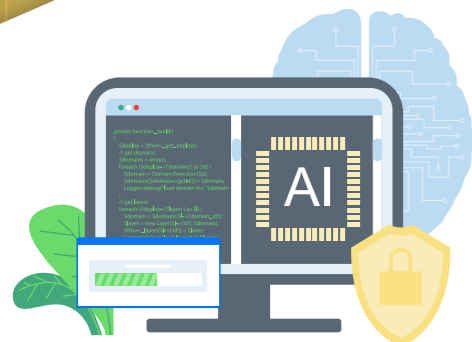
The program aims to provide non-IT-related undergraduate graduates with a broad understanding of the theory and practice of computer science. Graduates should be software developers with in-depth understanding of the specialized areas of artificial intelligence, database management, and software engineering. Graduates will be prepared for IT careers that meet industry demands.

課程旨在為非資訊科技相關本科畢業生提供計算機科學領域理論和實踐的廣泛理解。畢業生應該是具有深入理解人工智能、數據庫管理和軟件工程專業領域的能力的軟件開發者。畢業生將為滿足行業需求的 IT 職業做好準備。



Program Aims 課程目標

- ▶ Develop students' awareness, knowledge and skills in the field of computer science;
- ▶ To prepare students to become leaders and professionals in artificial intelligence, database management and software engineering.
- ▶ 培養學生在計算機科學領域的意識、知識和技能；
- ▶ 使學生成為人工智能、數據庫管理和軟件工程的領導者和專業人士。



Programme Intended Learning Outcomes 課程預期學習成果

Upon successful completion of the Master of Computing programme, students should be able to:

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| <ul style="list-style-type: none"> a. Apply the core principles of software, database design, and programming to solve real-world problems; b. Demonstrate an integrated knowledge and understanding of the scientific principles which underpin modern Computer Science; c. Employ web and mobile application development concepts and technologies to design and create feature-rich and versatile websites and apps; d. Undertake independent innovative research and development related to real-world computer science applications with a full project life cycle and present the outcomes to technical and lay audiences; and e. Work with confidence both autonomously and as part of a team on IT-related projects and in a professional environment. | <p>成功完成電腦學碩士課程後，學生應能：</p> <ul style="list-style-type: none"> a. 應用軟件工程，資料庫設計和程式設計的核心原則來解決實際問題； b. 展現對現代電腦科學的科學原理的綜合知識和理解； c. 使用網頁和行動應用開發概念和技術來設計和創建功能豐富且多功能的網站和應用程式； d. 進行與實際電腦科學應用相關的獨立創新研究和開發，並完成整個專案生命週期，並向技術和非專業觀眾展示結果；以及 e. 在 IT 相關的專案和專業環境中，既能自信地獨立工作，也能作為團隊的一部分工作。 |
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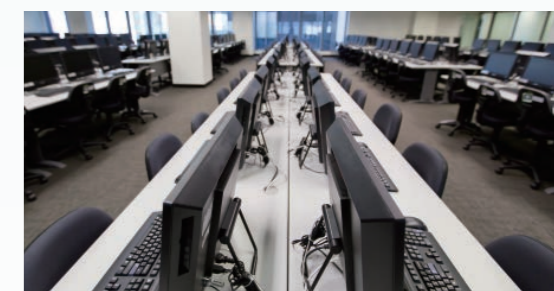


Teaching Mode 教與學

Study Model 學習模式	Duration 為期	Language 教學語言
Full-time or part-time face-to-face 全日制或兼讀制面授	One year for full-time and Two years for part-time 全日制一年或兼讀制兩年	English 英文

Students will study through full-time or part-time face-to-face teaching, and can obtain teaching resources and support on the online platform. All subjects in this course have regular face-to-face classes and tutorials. Face-to-face classes are designed to provide students with the opportunity to discuss academic issues with their tutors and learn practical skills. At the same time, for all subjects in this course, with the support of the Hong Kong Metropolitan University Online Learning Environment (OLE), teachers and students can also interact online to discuss the principles and applications involved in the course.

學生將通過全日制或兼讀制面授方式進行學習，並可在網路平台獲取教學資源和支援。本課程所有科目都設有常規的面授課及導修課。面授課旨在為學生提供與導師討論學術問題的機會並從中學習實用技能。同時，對於本課程所有科目，在香港都會大學網上學習環境（OLE）支持下，老師與學生也可進行在線互動，討論課程中所涉及的原則及其應用。



Programme Structure 課程結構

COMP 8020SEF	Java Programming Java 編程	3 credit-units 學分
COMP 8080SEF	Python Programming Python 編程	3 credit-units 學分
COMP 8090SEF	Data Structures 數據結構	3 credit-units 學分
COMP 8200SEF	Database Systems 數據庫系統	3 credit-units 學分
COMP 8500SEF	Software Engineering 軟件工程	3 credit-units 學分
COMP 8650SEF	Design and Analysis of Algorithms 算法設計與分析	3 credit-units 學分
COMP 8660SEF	Computer Organization and Design 電腦組織與設計	3 credit-units 學分
COMP 8670SEF	Operating Systems 操作系統	3 credit-units 學分
COMP 8920SEF	Artificial Intelligence and Machine Learning 人工智能與機器學習	3 credit-units 學分
COMP 8960SEF	Capstone Project 畢業設計項目	6 credit-units 學分

