

▶ Entry Requirement 入学要求

- ▶ 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.
- ▶ 持有本大学认可的高等院校所颁授的非资讯科技相关学科学士学位或同等资格；及
- ▶ 英语语言能力要求：如果申请人的学士学位或同等学历不是采用英语作为教学语言，则申请人必须满足大学规定的英语能力要求。*
- * 入围申请人将被邀请参加（面对面或线上）入学面试。申请人必须通过入学面试才能成功申请。

▶ Admission Application 入学申请

- ▶ Students interested in this programme should apply through HKMU Online Application System
- ▶ 对本课程有兴趣的学生应透过香港都会大学网上申请系统申请



▶ Career prospects 职业前景

- ▶ 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.
- ▶ 进修
更高的研究学位
- ▶ 工作机会
毕业生将具备成为专业软件开发人员、软件工程师、行动应用程序开发人员以及人工智能和机器学习设计师的能力。毕业生接受的培训将使他们能够持续发展人工智能、资料探勘和网路安全等选定领域的专业技能。他们还将获得商业和工业领域的技能和知识，有利于未来晋升到管理或领导职位。

▶ Enquiries 查詢

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Programme Leader

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Website



Whatsapp

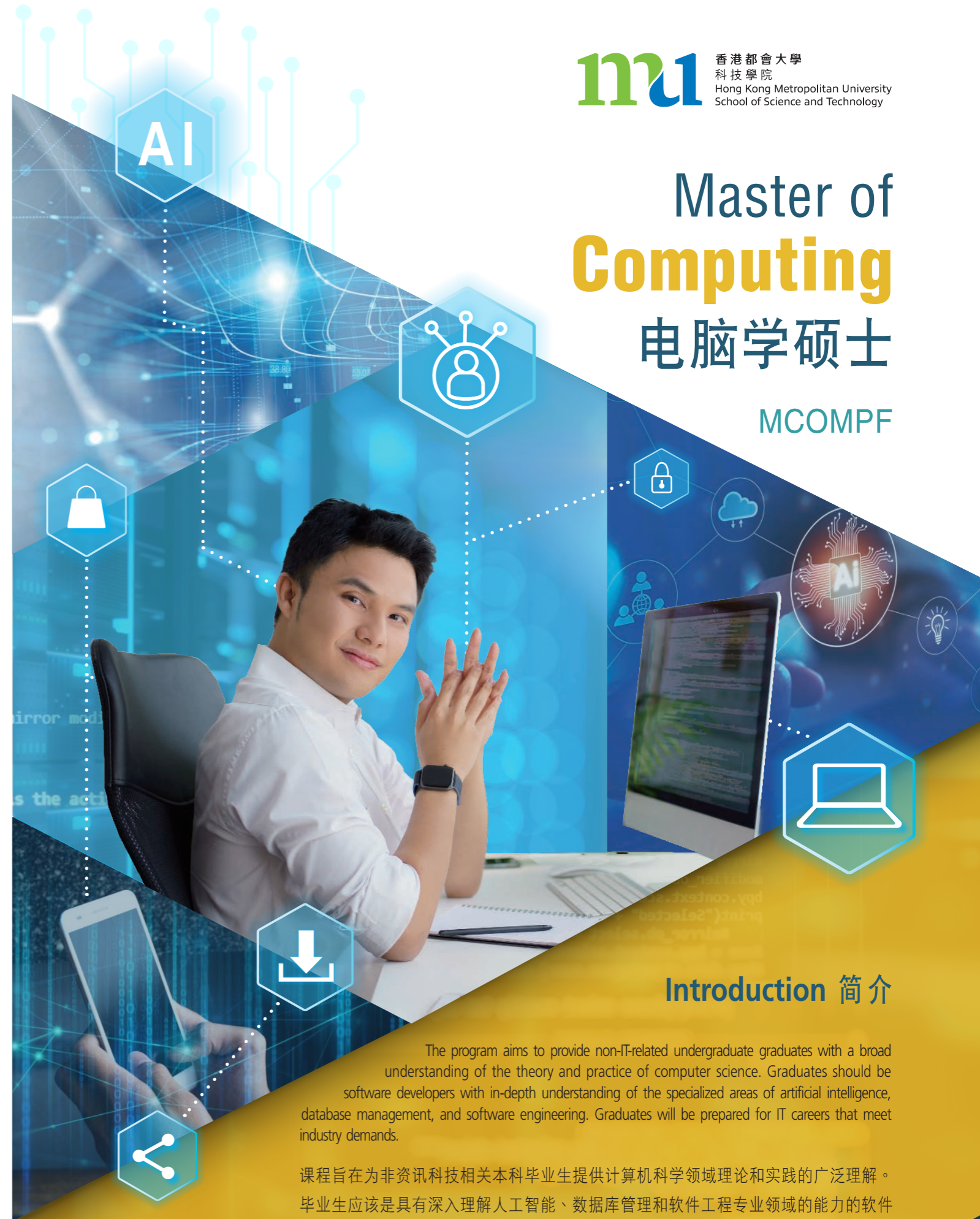


Wechat

🌐 Website 网址：https://www.hkmu.edu.hk/st/computing/programmes/full-time/3-credit-unit/mcompf/

Master of Computing 电脑学硕士

MCOMPF



Introduction 简介

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.

课程旨在为非资讯科技相关本科毕业生提供计算机科学领域理论和实践的广泛理解。毕业生应该具有深入理解人工智能、数据库管理和软件工程专业领域的能力的软件开发人员。毕业生将为满足行业需求的IT职业做好准备。



Program Aims 课程目标

- ▶ 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.
- ▶ 培养学生在计算机科学领域的意识、知识和技能；
- ▶ 使学生成为人工智能、数据库管理和软件工程的领导者和专业人士。



Programme Intended Learning Outcomes 课程预期学习成果

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>成功完成电脑学硕士课程后，学生应能：</p> <ul style="list-style-type: none"> a. 应用软件工程，资料库设计和程式设计的核心原则来解决实际问题； b. 展现对现代电脑科学的科学原理的综合知识和理解； c. 使用网页和行动应用开发概念和技术来设计和创建功能丰富且多功能的网站和应用程序； d. 进行与实际电脑科学应用相关的独立创新研究和开发，并完成整个专案生命周期，并向技术和非专业观众展示结果；以及 e. 在IT相关的专案和专业环境中，既能自信地独立工作，也能作为团队的一部分工作。 |
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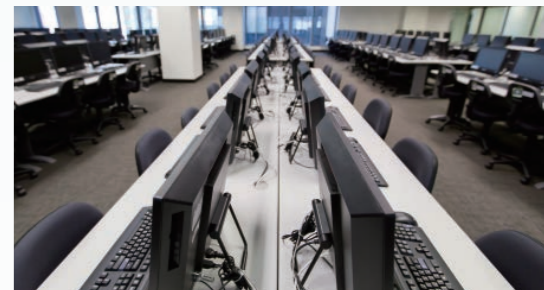


Teaching Mode 教与学

Study Model 学习模式	Duration 为期	Language 教学语言
Full-time or part-time face-to-face 全日制或兼读制面授	One year for full-time and Two years for part-time 全日制一年或兼读制两年	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.

学生将通过全日制或兼读制面授方式进行学习，并可在网路平台获取教学资源 and 支援。本课程所有科目都设有常规的面授课及导修课。面授课旨在为学生提供与导师讨论学术问题的机会并从中学习实用技能。同时，对于本课程所有科目，在香港都会大学网上学习环境（OLE）支持下，老师与学生也可进行在线互动，讨论课程中所涉及的原理及其应用。



Programme Structure 课程结构

COMP 8020SEF	Java Programming Java 编程	3 credit-units 学分
COMP 8080SEF	Python Programming Python 编程	3 credit-units 学分
COMP 8090SEF	Data Structures 数据结构	3 credit-units 学分
COMP 8200SEF	Database Systems 数据库系统	3 credit-units 学分
COMP 8500SEF	Software Engineering 软件工程	3 credit-units 学分
COMP 8650SEF	Design and Analysis of Algorithms 算法设计与分析	3 credit-units 学分
COMP 8660SEF	Computer Organization and Design 电脑组织与设计	3 credit-units 学分
COMP 8670SEF	Operating Systems 操作系统	3 credit-units 学分
COMP 8920SEF	Artificial Intelligence and Machine Learning 人工智能与机器学习	3 credit-units 学分
COMP 8960SEF	Capstone Project 毕业设计项目	6 credit-units 学分

