MScGAH

Master of Science in Generative AI and the Humanities

生成式人工智能與人文科學理學碩士

With two specialisms 兩大專業：

- Language and Communication
  語言與傳意
- Arts and Culture
  藝術與文化

THE HONG KONG
POLYTECHNIC UNIVERSITY
香港理工大學

Department of Language
Science and Technology
語言科學及技術學系

Programme Highlights 課程概要

Programme Code 課程編號

**Language and Communication
語言與傳意**

72026-LCF (Full-time 全日制)
72026-LCP (Part-time 兼讀制)

**Arts and Culture
藝術與文化**

72026-ATF (Full-time全日制)
72026-ATP (Part-time 兼讀制)

Normal Duration 常規修讀年期

1 year 年 (Full-time 全日制)
2 years 年 (Part-time 兼讀制)

No. of Credits Required 學分要求
31 Credits 學分

Tuition Fees 學費
HK$10,100 per credit
每學分港幣10,100

Note: No credit fee will be charged for the 1-credit subject "CBS5T01 Professional Ethics and Academic Integrity".

備註：修讀1學分的必修科目"CBS5T01 Professional Ethics and Academic Integrity"不需繳交學費。

Entrance Requirement 入學要求

◆ A Bachelor's degree from a recognised institution.
持有由有效機構頒發的學士學位。

◆ If you are not a native speaker of English, and your Bachelor's degree or equivalent qualification is awarded by institutions where the medium of instruction is not English, you are expected to fulfil the University's minimum English language requirement.
若申請人的母語並非英語，且頒發學士學位或同等學歷的機構並非以英語為教學語言，申請人須符合大學最低的英語入學要求。

◆ Non-Chinese native speaking students who choose the specialism of Arts and Culture need a good knowledge of the Chinese language.
母語並非中文的申請人若選擇修讀藝術與文化專業，須具備良好的中文知識。

◆ Applicants may be required to take entry tests and/or attend interviews.
申請人或須參加測驗及/或面試。

Programme Aims 課程目標

The MSc in Generative AI and the Humanities aims to cultivate interdisciplinary excellence by integrating AI knowledge with humanities, thereby equipping students with a comprehensive understanding of AI's impact on language, communication, art, and culture. Emphasizing practical applications, the programme aims to provide students with hands-on experience in generative AI through engaging projects, research endeavours, and collaborations with industry professionals. Notably, it places a strong emphasis on ethical and critical thinking, guiding students in addressing ethical dilemmas and societal challenges that arise from AI in the humanities. The programme focuses on fostering responsible problem-solving, with the aim of endowing students with a holistic understanding to effectively navigate the global implications of generative AI.

本課程旨在培養跨學科卓越人才，透過將人工智能知識與人文學相結合，使學生全面了解人工智能對語言、傳意、藝術和文化的影響。課程同時著重實際應用，讓學生在參與課程項目、研究工作及與業界專業人士合作中汲取在生成式人工智能方面的實踐經驗。此外，本課程強調倫理道德和批判性思考，旨在引導學生深入探討人工智能在人文領域引起的倫理道德困境和社會挑戰，亦致力培養學生的解難能力，讓他們全面理解並有效應對生成式人工智能所帶來的深遠影響。

Characteristics 課程特色

This is the first programme in Hong Kong and the world to allow students to focus on generative AI within the context of the humanities. The unique interdisciplinary approach of the programme draws on cutting-edge research insights into the humanities and AI, and aims to nurture a new generation of interdisciplinary professionals capable of exploiting AI technologies to advance humanities-related studies and applications. Thus, graduates can address complex societal challenges and contribute to innovation in various industries.

本課程為香港乃至全球首創的課程，旨在讓學生在人文學背景下專注生成式人工智能。本課程採用獨特的跨學科方法，將人文學與人工智能的前沿研究相結合，致力培養新一代跨學科專業人才，利用人工智能技術推進人文相關的研究和應用，以應對複雜的社會挑戰並為社會各行業的革新作出貢獻。

This programme is designed to equip students with the following professional skills:

◆ **Professional Competence**
  – the ability to demonstrate in-depth knowledge of AI applications and the ability to engage with current issues and developments in either the area of language and communication or arts and culture;
  – the ability to be skilled in integrating generative AI knowledge with humanistic studies, systematically analyzing and addressing complex tasks within their domain with a high level of professional competence;
  – the ability to apply programming skills and computational methods to develop and implement AI-driven projects in areas such as language processing, cultural data analysis, and creative arts applications;
  – the ability to comprehend, evaluate, and navigate ethical dilemmas in AI, showing a deep understanding of professional responsibility;
  – the ability to critically review the social implications of AI in their area of study.

◆ **Strategic Thinking**
  – holistic and analytical thinking in applying AI to generate practical solutions that advance language, communication, arts, and culture;
  – critical awareness of the range of techniques and methodologies available in their professional area;
  – problem solving skills with creative thinking skills to generate AI-based practical and innovative solutions in the field of language and communication or arts and culture;
  – reasonable judgments on the relationship between AI-based language technology and their area of study.

◆ **Lifelong Learning Capability**
  – enhanced capability for lifelong learning, continually updating their professional practice through inquiry, reflection, and adaptation to new developments in generative AI and the humanities.

透過本課程的訓練，學生可以：

◆ **專業技能**
  – 深入了解人工智能的應用，參與語言與傳意或藝術與文化領域的前沿議題和發展
  – 熟練地融合生成式人工智能與人文學研究，專業地作出系統性分析和應對其專業領域內的複雜任務
  – 運用編程技能和計算方法來開發和實行以人工智能為導向的項目，如語言處理、文化數據分析和創意藝術應用等
  – 理解、評估和應對人工智能所帶來的倫理道德困境，展示對專業責任的深刻理解
  – 批判性地審視人工智能對其研究領域的社會影響

◆ **策略思考**
  – 運用整體性和分析性思維，開發推動語言、傳意、藝術和文化領域的人工智能可行方案
  – 對其專業領域中的各種技術和方法持有批判性意識
  – 透過其解難能力及創造性思維提出以人工智能為基礎、有效而創新的解決方案
  – 對基於人工智能的語言技術與其研究領域之間的關聯能做出合理判斷

◆ **終身學習**
  – 透過對生成式人工智能和人文學最新發展的研究、思考和配合，培養終身學習能力及持續改進專業實踐

Career Prospect 事業前景

Graduates are equipped with the necessary skills and knowledge to contribute to their professional fields while critically engaging with the social implications of AI in humanities contexts. The programme's interdisciplinary approach and emphasis on creative thinking and problem-solving also promotes strategic thinking and holistic analysis, thereby equipping graduates with the intellectual skills to solve complex problems and contribute to the advancement of knowledge. Ultimately, graduates of the programme can help to realise the societal benefits of AI while preventing it from adversely impacting the humanities.

畢業生所掌握的技能和知識，使他們能在人文學背景下，對人工智能引發的社會變革進行批判性思考，並為其專業領域貢獻獨到見解與力量。本課程的跨學科方法以及對創造性思維和解難能力的重視，能促進畢業生的策略性思維和綜合分析能力，讓其具備解決複雜問題和推動知識進步的技能，在實現人工智能社會效益的同時，有效防範其對人文學產生的不利影響。

Alumni Sharing 校友分享

這個計畫讓我學會打造真正「懂人」的人工智慧。學習以實踐為核心－從建構文字與圖像生成系統，到探討關鍵問題：它是否公平？是否尊重文化？課程既教實用技能，也訓練我們把複雜概念清楚地講給非技術受眾。少一點"黑箱"，多一點"好prompt"。最打動人的是這裡的人。學生來自藝術、程式設計、社會科學等不同領域；一次簡短的交流就能點亮新的方向，因為導師和同儕會很快把想法變成可測試的原型。對某個問題好奇？專案會幫你把點連起來：也許是一門對口的課程、一位互補的搭檔，或是一份你獨自難以找到的資料。這大概就是把「human-in-the-loop」做到了日常。在這裡，你會發現問題可以換種方式來問，答案也能沿著全新的路徑成長。這個學位不提供唯一解法，而是讓你擁有更多走向未來的可能。

CHEN Yana,, Class of 2024年畢業生
(2024/25如暉人文科學與人工智能獎學金得主)

就讀 MScGAH 課程是一段令我獲益良多的經歷。它讓我把自己人文學科的背景與快速發展的生成式人工智能領域緊密結合，不單加深了我對相關技術與應用的理解，亦拓闊了我在人工智能倫理、創造力及跨文化交流方面的思考。我最珍惜的是課程的跨學科精神：來自不同背景的同學、具啟發性的教授，以及在科技與人文之間搭建橋樑的學習體驗。這些經歷使我能夠探索人工智能如何推動文化交流與社會福祉，並為我的職業發展開拓新的可能性。

YU Jiawei,, Class of 2024年畢業生

Enquiries 查詢

For academic matters, please contact: 如有學術查詢，請聯絡：

Programme Leader 課程主任：
Prof. LIU Kanglong 劉康龍副教授
Email 電郵：kl.liu@polyu.edu.hk

For general information, please contact: 如有其他查詢，請聯絡：

LST General Office 學系辦公室
Tel 電話：(852) 2766 7454
Email 電郵：lst.tpg@polyu.edu.hk

LST Website
語言科學及技術學系網址
www.polyu.hk/lst

Programme Details
課程內容
https://polyu.hk/OHHoe

Application
申請報讀課程
https://polyu.hk/pVlfa