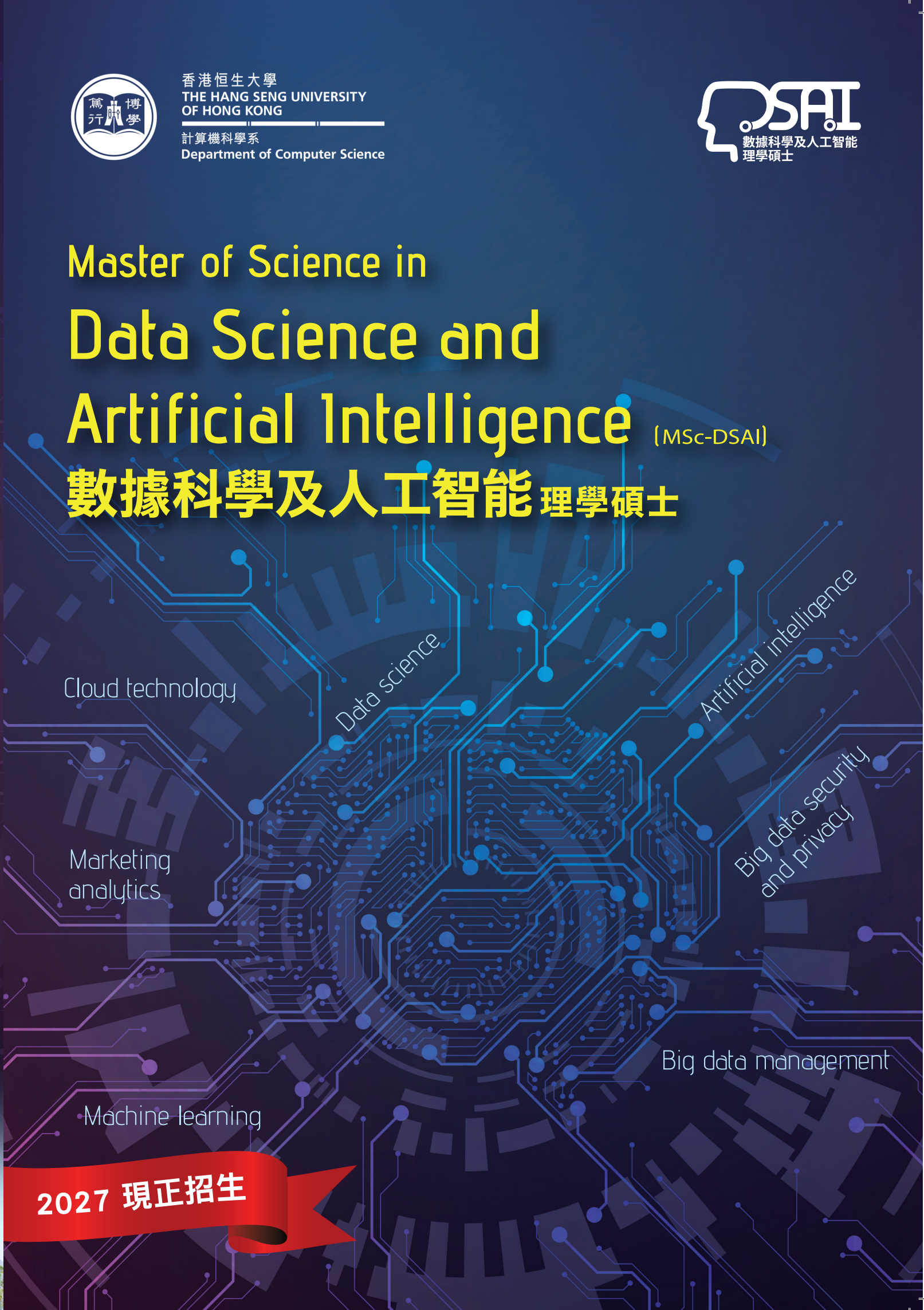
香港恒生大學
THE HANG SENG UNIVERSITY OF HONG KONG
計算機科學系
Department of Computer Science

DSAI
數據科學及人工智能理學碩士

Master of Science in Data Science and Artificial Intelligence (MSc-DSAI)

數據科學及人工智能理學碩士



2027 現正招生

Master of Science in Data Science and Artificial Intelligence (MSc-DSAI)
數據科學及人工智能 理學碩士

The convergence of Artificial Intelligence (AI) and Big Data technologies is changing the way we make decisions. Disruptive changes can be seen everywhere. In this new and exciting Master's Degree programme, students will learn to master the latest technologies in data science and machine learning and their real world applications. The programme is designed for students from a wide range of disciplines with interests in applied AI technologies.

大數據科技，結合人工智能(AI)技術，正在改寫我們的決策方式。新科技帶來的顛覆性變化比目皆是。這門嶄新而全面的碩士課程是為來自不同背景、對新一代大數據和AI應用有興趣的學生而設計。在課程中，學生將會掌握大數據和機器學習相關的最新知識，以及它們的應用實例，讓學生在數據科學和AI時代的各行各業中領先一步。

Key Features 課程特色

AWS-Certified, Practical Focus AWS 認證，實戰導向

Our core subjects are officially AWS-certified, equipping students with essential skills for the workplace. Many of our students have successfully obtained professional certifications such as “AWS Cloud Practitioner”, “AWS Machine Learning Specialty”, and “AWS Solution Architect”.

核心科目獲AWS官方認證，協助學生掌握產業核心技能。已有多名學生考取「AWS Cloud Practitioner」、「AWS Machine Learning Specialty」及「AWS Solution Architect」專業資格認證。

Top Choice for Transitioning into AI, Enter a High-Salary Industry 轉行AI首選，踏入高薪行業

We welcome students from diverse backgrounds and support their career transitions into the AI industry, opening up stable career paths. Among local Hong Kong graduates in Academic Year 2024/25, over 80% of those from non-IT backgrounds sucessfully entered the AI industry within six months of graduation.

歡迎多元背景學生，幫助轉行AI行業，為您開啟穩健職業道路。2025屆香港本地生中，超過八成非IT背景畢業生在半年內已踏入AI行業。

Small Classes, High-Quality Teaching 小班課堂，高質教學

We maintain small class sizes, incorporating practical activities into every session to ensure effective learning outcomes. Our teaching satisfaction rating of 5.67 out of 6 reflects strong recognition from our students.

採用小班制，每節課程融入實作環節，確保學習效果。教學滿意度高達5.67（滿分6），深受學生一致好評。

Research Opportunities, Pathway to Further Studies 科研機會，繼續深造

Electives cover research-oriented subjects, such as the “Master Research Project”, providing valuable opportunities to engage in cutting-edge research. This helps students pursue doctoral studies at renowned universities.

選修課涵蓋科研導向科目《碩士研究項目》，提供參與前沿科研的寶貴機會，助力學子進入知名學府繼續攻讀博士。

Employment Statistics 就業數據

79%

Employment and Further Study

Enter the workforce or continue with postgraduate studies

83%

Local students successfully transition into the AI industry

Graduates from non-IT backgrounds entered the AI industry within six months

31%

Senior Technical and Managerial Roles

Hong Kong-employed graduates took up roles, such as CTO, Tech Lead, Senior System Specialist, AI Engineer, and Manager.

$50k+

Monthly salary of top graduates

Some outstanding graduates' starting salaries exceed $50,000

（數據更新截止2025年12月11日）

Words from Graduates 畢業生感言



Hong Dongming 洪東明 (2026)

Currently an AI Engineer
現任職人工智能工程師

My time in the MSc-DSAI programme was the happiest period of my life! After ten years in the workforce, I returned to campus, where I studied cutting-edge AI and, outside class, took part in internship, AI competitions, Muay Thai, and K-pop. I also went hiking with the President, and received funding for a two-week summer exchange at University College London (UCL), where I made friends from all over the world

就讀MSc-DSAI是我人生中最快樂的一段時光！工作十年後重返校園，我一邊學習前沿AI知識，一邊在課外參與實習、AI 競賽，學習泰拳和 Kpop，與校長一起健行，還獲資助到倫敦大學學院暑期交流兩週，結識了來自世界各地的朋友。



KWOK Tsz Yi 郭子怡 (2025)

Currently a Startup Company Founder
現為初創企業的創辦人

During the two-year part-time MSc-DSAI programme, I collaborated with classmates to win awards in three data science competitions. Our team also stood out in a "Micro Fund" competition organized by HKSTP, securing project funding and admission into the incubation programme.

在兩年兼讀制修讀MSc-DSAI課程期間，我和同學們組隊在三個數據科學比賽中獲獎，更在HKSTP舉辦的「Micro Fund」中脫穎而出成功贏得獎金及孵化計劃錄取資格。



PENG Junxiang 彭俊祥 (2025)

Currently an AI Engineer
現任職人工智能工程師

The MSc-DSAI programme is highly practical and closely aligned with industry trends. Through a wide range of extracurricular activities, including corporate visits, competitions and project-based learning, I not only deepened my industry insights but also built a highly competitive portfolio.

MSc-DSAI課程注重實踐，與行業前沿緊密接軌。得益於豐富的課外活動 — 企業參訪、競賽與項目實踐，我不僅深化了對行業的理解，更累積了一份極具競爭力的作品集。



WANG Lingze 王靈澤 (2024)

Currently an Assistant Network and System Manager
現任職網絡和系統副經理

MSc-DSAI programme is filled with surprises in "translating theory into practical workplace skills". After graduation, I successfully secured opportunities across multiple sectors such as fintech and the Internet, which helped me embark on a new professional chapter in Hong Kong.

MSc-DSAI課程蘊藏着許多「將理論轉化為職場硬實力」的驚喜，畢業後我成功獲得金融科技、互聯網等多個領域的青睞，助力我在香港開啟職業新篇章。



WANG Yanyi 王燕懿 (2024)

Currently a College AI Educator
現任職高校人工智能教研室教師

Pursuing the MSc-DSAI programme at HSUHK was a transformative experience that opened a new chapter in my career. Now, having returned to the teaching profession, I am equipped to deliver AI-related courses and more effectively convey the power of technology to my students.

重返校園修讀HSUHK的MSc-DSAI課程，為我的職業發展開拓了新篇章。如今我重回教學崗位，開始教授人工智能相關課程，更有效地傳遞科技的力量。



YUEN Hiu Tung 原曉桐 (2023)

Currently a Data Analyst
現任職數據分析師

I am truly grateful to have studied in this MSc-DSAI programme at HSUHK. The advanced technical skills, professional knowledge, and logical thinking capabilities cultivated through the programme have enabled me to successfully enter the field of data analysis and achieve a career transformation.

我很慶幸能夠在香港恒生大學的MSc-DSAI課程中學習。課程所賦予的先進技術、專業知識與邏輯思維能力，助我成功踏入數據分析領域，實現職業轉型。

Professional Recognition 專業認可

The programme facilitates students to obtain professional recognitions, such as:
課程有助學生獲得以下專業資格：

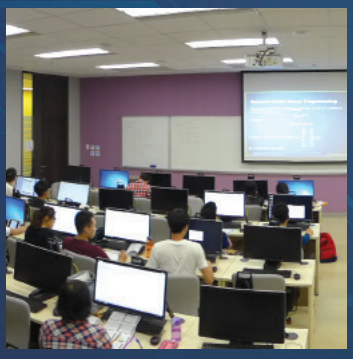
- Google Professional Data Engineer
- SAS® Global Certification Program
- AWS Certified Machine Learning Engineer - Associate
- Microsoft Certifications (Data Engineer / Data Scientist / AI Engineer)

Programme Facilities 課程設施

Students have a chance to use the following state-of-the-art computing laboratories and facilities:
學生可以使用下列多個尖端電腦實驗室和設施:



Decision Sciences Technology Laboratory
決策科學科技實驗室



Applied Statistics Laboratory
應用統計實驗室



Virtual Reality and Big Data Analytics Laboratory
虛擬實境及大數據分析研究實驗室



Computer Science Laboratory
計算機科學實驗室

BIG DATA INTELLIGENCE CENTRE

Big Data Intelligence Centre
大數據及智能中心

Industry Support 業界支持

aws academy Member Institution

The programme receives strong supports from well-known companies in the industry.
本課程得到業界知名機構在不同範疇提供支援。

- **Curriculum design:** the curriculum is designed in consultation with industrial partners, including IBM, to ensure the curriculum meets rapidly evolving industry demands
  課程設計：本課程的設計參考業界顧問（包括IBM）提供的意見，以確保內容緊貼最新形勢和業界需求
- **Systems support:** state-of-the-art software platforms and high-end desktop computers equipped with NVIDIA RTX5080 GPUs are available to our students
  系統支援：本課程提供最新的相關軟件系統，以及配備NVIDIA RTX5080獨立顯卡的電腦
- **Teaching support:** industrial partners, including AWS and Google, provide practical teaching support and expert-led lectures
  教學支援：本課程得到商業伙伴（包括AWS和Google）提供實質的教學支援，以及業界專家講座

Interdisciplinary Programme Team 跨學科課程團隊

陳偉森 教授 美國天普大學 博士 精算建模，商業預測，金融計量經濟	Wai Sum CHAN, PhD (Temple) Professor Actuarial Modeling, Business Forecasting, Financial Econometrics
劉海 教授 香港城市大學 博士 機器人網絡，雲計算，群體智能	Hai LIU, PhD (HK CityU) Professor Robotic Networks, Cloud Computing, Swarm Intelligence
巫耀榮 教授 香港科技大學 博士 物流系統優化，智慧系統設計	Daniel MO, PhD (HKUST) Professor Logistics Systems Optimisation, Design of Intelligent Systems
黃彥璋 教授 香港大學 博士 運籌學和優化，人工智能，虛擬實境	Eugene WONG, PhD (HKU) Professor Operations Research and Optimisation, Artificial Intelligence, Virtual Reality
侯云 副教授 課程主任 倫敦帝國學院 博士 車聯網，智慧城市，無線網絡優化	Yun HOU, Aileen, PhD (Imperial) Associate Professor V2X, Smart City, Wireless Network Optimisation
馬裕得 副教授 美國普渡大學 博士 網絡物理系統安全和私隱	Chris MA, PhD (Purdue) Associate Professor Security and Privacy of Cyber Physical Systems
王偉傑 客席副教授 香港大學 博士 數據庫，人工智能，第三代互聯網，網絡安全	Wai Kit WONG, PhD (HKU) Adjunct Associate Professor Database, Artificial Intelligence, Web3, Cybersecurity
朱振輝 助理教授 香港中文大學 博士 數據挖掘與人工智能，金融預測模型	Carlin CHU, PhD (CUHK) Assistant Professor Data Mining and Artificial Intelligence, Financial Predictive Modeling
胡晨茜 助理教授 香港大學 博士 電力系統彈性，數據中心，人工智能	Chenxi HU, PhD (HKU) Assistant Professor Power System Resilience, Data Centre, Artificial Intelligence
李敬宗 助理教授 香港城市大學 博士 計算機網絡，機器學習系統，邊緣計算	Jingzong LI, PhD (HK CityU) Assistant Professor Computer Networking, ML Systems, Edge Computing
李檀 助理教授 香港城市大學 博士 分布式機器學習，無線通信網絡	Tan LI, PhD (HK CityU) Assistant Professor Distributed Machine Learning, Wireless Communication Networks
呂忠昊 助理教授 香港中文大學(深圳) 博士 邊緣智能，分佈式AI，大模型協同推理	Zhonghao LYU, PhD (CUHK-Shenzhen) Assistant Professor Edge Intelligence, Distributed AI Infrastructure, Large AI Models
張晨 助理教授 香港城市大學 博士 網絡安全，聯邦學習，移動邊緣計算	Chen ZHANG, PhD (HK CityU) Assistant Professor Network Security, Federated Learning, Mobile Edge Computing
陳志江 高級講師 香港中文大學 博士 人工智能（多智能體系統），博弈論	Chi Kong CHAN, PhD (CUHK) Senior Lecturer Multi-Agent Systems, Game Theory
余璐 高級講師 香港浸會大學 博士 無線認知網絡，無線充電，無線室內定位	Lu YU, PhD (HKBU) Senior Lecturer Cognitive Radio Networks, Wireless Charging, Wireless Indoor Localisation
胡萍 講師 香港城市大學 博士 無線通訊，信息安全，物聯網	Ping HU, PhD (HK CityU) Lecturer Wireless Communications, Information Security, Internet of Things

Programme Details 課程詳情

Programme Duration 學制

- One year (Full-time)
  一年（全日制）
- Two years (Part-time)
  二年（兼讀制）

Medium of Instruction 授課語言

- English
  英語

Study Plan 修讀計劃

Semester 1: Four major cores
第一學期：四個必修科目

- Computing with Big Data 大數據計算
- Big Data Management 大數據管理
- Data Mining 數據挖掘
- Statistical Modeling 統計模型

Semester 2: One major core and three major electives*
第二學期：一個必修科目和三個選修科目*

- Artificial Intelligence and Machine Learning 人工智能與機器學習
- Marketing Analytics with Machine Learning 機器學習輔助市場分析
- Distributed Systems and Cloud Computing 分佈式系統與雲計算
- Master Research Project 碩士研究項目
- Big Data Security and Privacy 大數據安全與私隱
- Topics in Data Science and Artificial Intelligence 數據科學與人工智能專題
- Supply Chain Modeling and Analytics 供應鏈模型與分析
- Deep Learning 深度學習

Major core 必修科目　　Major elective 選修科目

* Electives to be offered will be subject to the curriculum plan of each academic year
* 選修科目將取決於該學年的課程計劃

Graduation Requirements 學位授予

Complete 8 modules and obtain a Grade D or above in each module (24 credits), including five core modules and three major elective modules, and obtain a minimum cumulative GPA of 2.0.
完成8個科目（包括5個必修科目及3個選修科目，共24學分）並於每科取得D級或以上成績，及累積平均績點達到2.0或以上。

Tuition Fee 學費

學費 (2027/28)
Tuition Fee (2027/28)

The tuition fee covers the whole programme. Deposit payment is HK$48,000 (local applicant) / HK$60,000 (non-local applicant). All payments are non-refundable and non-transferable.

學費涵蓋了整個課程。定金為港幣48,000（本地生）/ 港幣60,000（非本地生）。所有付款均不可退款且不可轉讓。

Local Applicant 本地生
HK$192,000 (Total 24 Credits)
港幣192,000元 (總計24學分)

Non-local Applicant 非本地生
HK$240,000 (Total 24 Credits)
港幣240,000元 (總計24學分)

Scholarships and Financial Assistance 獎學金及資助

- Master of Science in Data Science and Artificial Intelligence Entrance Scholarship
  「優秀新生」入學獎學金：HK$96,000 (Local Applicant), HK$120,000 (Non-local Applicant)
- Distinguished Graduate Award
  「卓越/優秀畢業生」獎：HK$8,000 (Excellence Award), HK$3,500 (Merit Award)
- Hong Kong Future Talents Scholarship Scheme for Advanced Studies (FTSS)
  香港未來人才深造獎學金計劃 (FTSS)：Up to HK$100,000
- Merit Admission Scholarship
  榮譽入學獎學金：Range from HK$20,000 to HK$80,000
- HSUHK "Alumni Fee Reduction Scheme"
  香港恒生大學「校友減費計劃」：HK$19,200 (Local Applicant), HK$24,000 (Non-local Applicant)
- Postgraduate Summer School Scholarship
  研究生暑期遊學獎學金：Full coverage of the programme fee

  The number and amount of this scholarship may fluctuate and will be flexibly adjusted based on the actual situation of the current year.
  該獎學金名額和金額有所浮動，將根據當年度實際情況彈性調整
- Extended Non-Means-Tested Loan Scheme
  擴展的免入息審查貸款計劃：Up to HK$192,000

Recipients of Scholarships (Excerpt) 獎學金獲得者(摘錄)

In alphabetical order by surname 按姓氏字母順序排列

I. S. CHAN (HKUST/ 香港科技大學)

C. Y. CHEUNG (HKU/ 香港大學)

X. X. HE (USTC/ 中國科學技術大學，HKUST/ 香港科技大學)

Y. HE (Beijing Normal University/ 北京師範大學)

M. HU (Northwestern Polytechnical University/ 西北工業大學)

L. HUANG (XMU/ 廈門大學)

T. L. LAI (HKUST/ 香港科技大學，CUHK/ 香港中文大學)

C. Y. LAM (CUHK/ 香港中文大學)

W. I. WEI (HKUST/ 香港科技大學，HKU/ 香港大學，CUHK/ 香港中文大學)

G. XIA (THU/ 清華大學)

K. YIP (HKU/ 香港大學)

A. J. YU (SDU/ 山東大學)

L. J. ZHOU (CSU/ 中南大學，SYSU/ 中山大學)

Admission Requirements 入學要求

- A bachelor's degree in science, technology, engineering, mathematics, business or related disciplines from a recognised university; and
  具有獲認可的大學理科、工科、數學、商科或相關學科的本科學歷或同等學歷；及
- Fulfilment of one of the following English language proficiency requirements if the applicant's bachelor's degree was not obtained from a university/tertiary institution where English is the medium of instruction.
  如果頒發申請人學士學位的大學或大專院校並非以英語為教學語言，則申請人需要完成以下任何一項英語語言能力考試。
  - TOEFL(paper-based): ≥550, or TOEFL(internet-based): ≥79*
  - IELTS: ≥6.0*
  - TEM-4: ≥70
  - CET-6: ≥430 or "Pass" if the test was taken before June 2005
  - or an equivalent qualification

**TOEFL and IELTS results are considered valid two years from the test date.*

Admission of non-standard entrants will be capped at ten percent of the actual intake in the respective academic year.
未能完全符合入學要求的申請人將獲特別考慮。課程預留最多百分之十的錄取名額予特殊個案。

Admission Enquiries 入學查詢

Email	:	dsai@hsu.edu.hk
Tel.	:	+852 3963 5014
Homepage	:	https://dsai.hsu.edu.hk
WeChat	:	MSc-DSAI
WhatsApp	:	+852 5416 1492

香港恒生大學（恒大）的歷史可追溯至1980年，由何善衡慈善基金會、何添慈善基金會、大昌貿易行、若干恒生銀行創辦人及恒生銀行，慷慨捐資成立恒生商學書院，並於2010年根據《專上學院條例》（第320章）註冊成為非牟利私立專上學院及改組成為恒生管理學院，提供多元化本科及以上學位課程，其後於2018年10月30日獲香港特區政府批准正名為「香港恒生大學」。

恒大矢志成為區內具領導地位並以博雅教育為主導的私立大學；並透過卓越的教學、研究及服務，推動社會與世界發展。恒大由五個學院組成 — 商學院、傳播學院、決策科學學院、人文社會科學學院和翻譯及外語學院，現有逾7,000名全日制學生及約230名全職教學人員。

恒大提供範圍廣泛的四年制榮譽學士學位課程及碩士學位課程。部分課程為全港首創。所有課程均獲香港學術及職業資歷評審局（HKCAAVQ）審批認可並獲中國內地、香港和台灣政府承認。

QR Registration No.	:	21/000423/L6
Registration Validity Period	:	01/09/2021 To 31/08/2029
QF Level	:	6
Teaching Venue	:	HSUHK Main Campus, HSUHK@Shek Mun, HSUHK Town Centre, and other venues designated by the University

In case of any discrepancy between the English and Chinese versions of this leaflet, the English version shall prevail.
本課程簡介以英文為準，中文譯本僅供參考。

The Hang Seng University of Hong Kong is incorporated in Hong Kong with limited liability by guarantee.
香港恒生大學是一間於香港註冊成立之擔保有限公司。

Information updated as of October 2026. Please refer to the homepage for the latest programme information.
有關資料更新至2026年10月。請瀏覽課程網站以獲取最新資訊。

