



MASTER OF SCIENCE IN INDUSTRIAL DATA ANALYTICS

工業數據分析理學碩士課程

School of Data Science, Lingnan University, HKSAR
嶺南大學數據科學學院
香港屯門

WHY LINGNAN 為何選擇嶺大

✓ **CULTURES WITH A LONG HISTORY** - One of the eight publicly funded universities in Hong Kong, and among the oldest higher education institutions in the city

LIBERAL ARTS EDUCATION IN THE DIGITAL ERA - A leading university integrating arts and sciences for the digital age

NO. 1 IN QUALITY EDUCATION AND 5 STARS IN THE QS RATING SYSTEM -

- No. 1 Worldwide for Quality Education in the Times Higher Education (THE) Impact Rankings 2026
- Awarded 5 Stars in the QS Stars University Rating System

OUTSTANDING PROFESSORS - Over 60% of academic staff in the School of Data Science have obtained doctoral degrees from prestigious overseas universities or have formal teaching or research experience at overseas universities, research institutions, or corporate R&D organizations. The School of Data Science brings together dozens of world-leading scientists and young scholars, including:

- 7 scholars featured in the 2026 Top 2% Scientists ranking (jointly published by Stanford University and Elsevier)
- Some scholars have also received honors in professional fields, such as AIChE Fellow, CAE Fellow, SIAM Fellow, NAI Fellow, AMS Fellow, CSIAM Fellow, HKAE / HKAES Fellow, IEEE Fellow, IFAC Fellow, etc.

EXCELLENT STUDENT-FACULTY RATIO - Lingnan's small-class teaching model helps students get inspired in and out of classroom

✓ **歷史悠久的文化**：香港八大之一，香港歷史最悠久的高等教育機構之一

數字時代的博雅教育：數字時代中領先的文理融合型大學

全球優質教育第一及QS之星5星評級：

- 2026年度泰晤士高等教育世界大學影響力排名「優質教育」排名全球第一
- QS之星大學評級系統5星院校

卓越師資：數據科學學院超過60%教職員在境外知名大學取得博士學位，或具有在海外高校、科研機構、企業研發機構正式教學或科研的經歷。數據科學學院彙聚了數十位國際頂尖科學家和青年學者，其中：

- 共7位學者入選2026年全球前2%頂尖科學家榜單（史丹福大學和愛思唯爾共同發佈）
- 部份學者亦獲得美國化學工程師學會會士（AIChE Fellow）、加拿大工程院院士（CAE Fellow）、美國工業與應用數學學會會士（SIAM Fellow）、美國國家發明家科學院院士（NAI Fellow）、美國數學學會會士（AMS Fellow）、中國工業與應用數學學會會士（CSIAM Fellow）、香港工程院院士（HKAE / HKAES Fellow）、電氣電子工程師學會會士（IEEE Fellow）、國際自動控制聯合會會士（IFAC Fellow）等專業領域榮譽

優異的師生比：嶺大的小班教學模式可幫助同學們在課堂內外均能獲得多方面的啟發

1st

In the World for "Quality Education"
Times Higher Education (THE)
Impact Rankings 2026

《泰晤士高等教育大學影響力排名》
「優質教育」蟬聯全球第一

No. 47

In the World for "International Outlook"
Times Higher Education (THE) World
University Rankings 2026

《泰晤士高等教育世界大學排名》
「國際展望」全球第 47 位

No. 301-350

Times Higher Education (THE) World
University Rankings 2026

《泰晤士高等教育世界大學排名》
全球首 301-350 位

OUTSTANDING PROFESSORS

數據科學學院卓越師資



秦泗釗教授
Prof. QIN Si Zhao Joe
校長
講座教授
「全球前2%頂尖科學家」
香港工程院院士



陳漢夫教授
Prof. Raymond CHAN Hon Fu
學術暨教務副校長
講座教授
「全球前2%頂尖科學家」
美國工業與應用數學學會會士



姚新教授
Prof. YAO Xin
副校長(研究及創新)
講座教授
「全球前2%頂尖科學家」
香港工程院院士



鄺得互教授
Prof. KWONG Sam Tak Wu
協理副校長(策略型研究)
講座教授
「全球前2%頂尖科學家」
加拿大工程院院士



宋永端教授
Prof. SONG Yongduan
數據科學學院院長
講座教授
「全球前2%頂尖科學家」
中國工程院外籍院士



Prof. MOREL Jean-Michel
Henri Olivier
講座教授
「全球前2%頂尖科學家」



謝浩然教授
Prof. XIE Haoran
數據科學學院副院長
人工智能學部負責人、教授
「全球前2%頂尖科學家」



張滇教授
Prof. ZHANG Dian
數據科學學院副院長
工業數據科學學部負責人、副教授
香港大學榮譽教授
教育部自然科學獎獲得者



劉佳琳教授
Prof. LIU Jialin
副教授
PhD (Paris-Saclay)



趙瀚榮教授
Prof. CHIU Hon Wing, Billy
助理教授
PhD (Cambridge)



侯志民教授
Prof. HOU Zhimin
助理教授
PhD (NUS)



李宗禧教授
Prof. LI Zongxi
助理教授
PhD (CityUHK)



林澤宏教授
Prof. LIN Zehong
助理教授
PhD (CUHK)



劉政哲教授
Prof. LIU Zhengzhe
助理教授
PhD (CUHK)



莫焱芳教授
Prof. MO Yanfang
助理教授
PhD (HKUST)



Prof. PAPYSHEV Gleb
助理教授
PhD (HKUST)



錢洋洋教授
Prof. QIAN Yangyang
助理教授
PhD (CityUHK)



沈家星教授
Prof. SHEN Jiaxing
助理教授
PhD (PolyUHK)



王世民教授
Prof. WANG Shimin
助理教授
PhD (CUHK)



王玉教授
Prof. WANG Yu
助理教授
PhD (Maryland)



吳道遠教授
Prof. WU Daoyuan
助理教授
PhD (SMU)



吳劉鵬飛教授
Prof. WU Mike
助理教授
PhD (HKU)



東承祖教授
Prof. DONG Chengzu
教學助理教授
PhD (Deakin)



李鈞揚教授
Prof. LEE Kwan Yeung, Kester
教學助理教授
PhD (CUHK)



李楠教授
Prof. LI Nan, Nancy
教學助理教授
PhD (CityUHK)



楊雨韻教授
Prof. YANG Yuyun
教學助理教授
PhD (Stanford)



俞麗莎教授
Prof. YU Lisha
教學助理教授
PhD (CityUHK)



陳紅華教授
Prof. CHEN Honghua
研究助理教授
PhD (NUAA)



鄧伊琴教授
Prof. DENG Yiqin
研究助理教授
PhD (CSU)



黃福香教授
Prof. HUANG Fuxiang
研究助理教授
PhD (CQU)



劉嘉翔教授
Prof. LIEW Jia Xiang
研究助理教授
PhD (ICL)



潘翔教授
Prof. PAN Xiang
研究助理教授
PhD (CUHK)



姚文芳教授
Prof. YAO Wenfang
研究助理教授
PhD (PolyUHK)

This pioneering programme is one of the first in Hong Kong to bridge data science and industrial analytics, equipping students with knowledge of emerging technology modules such as **embodied intelligence**, **blockchain-driven applications**, and **digital twins**. It prepares students to handle data across diverse industry scenarios and apply their skills in commercial settings.

Students are trained to analyse data with purpose - understanding how data is generated, communicating effectively with stakeholders, and addressing two key questions: **Where do data come from?** and **Where will data analytics be applied?** Graduates are well-positioned for careers in business analytics, AI applications, and smart logistics, with strong prospects in both industrial and commercial sectors.

作為香港首批結合數據科學與工業分析的課程，涵蓋**具身智能**、**區塊鏈應用實務**與**數位孿生**等新興技術知識，幫助學生掌握不同行業場景中的數據處理能力，並能應用於商業機構中。課程培養學生理解數據生成過程，並學會與持份者溝通，懂得分析「**數據從哪裡來？數據分析用於何處？**」畢業後可投身商業分析、AI應用、智能物流等熱門職位，出路廣闊。

CURRICULUM 課程結構



Required Courses (15 credits) 必修科目 (15學分)

學 科 基 石 DISCIPLINARY FOUNDATION

- Smart Connectivity and Fusion
 - Strategic Visual Data Analytics
 - Programming with Generative Artificial Intelligence
 - Intelligent Control and AI-Driven Analytics
 - Industrial Data Analytics Project
- 智慧互聯與融合
策略性可視化資料分析
生成式人工智慧輔助編程
智慧控制與AI驅動分析
工業數據分析專題研究



Elective Courses (15 credits, 3 credits each)* 选修科目 (15學分，每科3學分)*

多 元 興 趣 導 向 DIVERSE INTEREST ORIENTED

Frontier Intelligence 智能前沿

- Introduction to Embodied Intelligence
 - Introduction to Digital Twin
 - Practical Application of Deep Learning
 - Introduction to Large Language Models
 - Big Data Analytics
- 具身智能概論
數字孿生概論
深度學習的實際應用
大型語言模型概論
大數據分析

Smart Ecosystems 智慧生態

- Blockchain-driven Applications
 - Smart Logistics
 - Operational Research
 - Urban Data Science and Analytics
- 區塊鏈應用實務
智慧物流
運籌學
城市數據科學與分析

Sustainable Innovation & Leadership 創新領導力

- Healthcare Analytics
 - Innovation Management
 - Entrepreneurial Leadership for Social Startups
 - Gerontechnology: Design for an Ageing Society
 - Introduction to Environmental, Social, and Governance (ESG) Planning
- 醫療保健分析
創新管理
初創社會企業的創業領導力
樂齡科技與設計：應對老齡化社會
環境、社會與治理 (ESG) 規劃導論

*The offering of elective courses is subject to sufficient demand and division availability.
*選修科目開設與否取決於學生需求及學部教師的教學安排。

Scholarships 獎學金

Scholarships might be considered for outstanding students on the basis of academic merit. All students admitted to the programme will automatically be the candidates for the scholarships, no application is required.

獎學金將授予成績優異的申請者，入讀本課程的學生均具備資格成為獎學金備選人，不需要額外申請。

Mode of Study and Duration

修讀方式及年限

1 year (Maximum 3 years)

一年 (最長年限3年)

Medium of Instruction

授課語言

English

英語

Tuition Fee

學費

HK\$289,000 (Payable in two instalments)

港幣293,000元 (分2期支付)

Application Deadline

申請截止日期

Round1: 30 April 2027; Round2: 30 June 2027
第一輪：2027年4月30日；第二輪：2027年6月30日

*The tuition fee is subjected to approval.

*學費待確定，待官網更新為準。

ADMISSION REQUIREMENTS

入學要求



Qualifications 申請資格

The candidate should hold a Bachelor of Science, Engineering, Business Administration, or other related qualifications (e.g. **information technology, mechanical engineering and business analytics**) from a recognised institution, or an equivalent qualifications. This programme values an **interdisciplinary perspective**, and welcomes candidates without an engineering or science background. Applicants with no or limited background in statistics or computer science will be required to complete a non-credit-bearing pre-entry course(s) (**Introduction to Computing / Statistics**).

申請者需持有大學認可的高等教育機構授予的理學、工程學、工商管理或相關專業 (例如資訊科技、機械工程和商業分析) 學士學位；或同等資歷。本課程重視**跨學科視角**，歡迎無工程或理科背景的申請者。未曾修讀過或僅有有限計算機科學或統計學背景的申請人，需於本課程開學之前完成相應的預科科目 (**計算概論／統計學**)。



Language Requirements 語言要求

Applicants whose degree is from a non-English-medium tertiary institution should obtain:

- a minimum score of **79** in TOEFL Internet-Based Test (Before 21 Jan 2026); or
- a band score of **4.0** or above in TOEFL Internet-Based Test (After 21 Jan 2026); or
- a band score of **6.0** or above in IELTS; or
- a minimum score of **450** or above in the College English Test-Band 6 (CET-6), with proof of competency in spoken English; or
- an equivalent qualification*

申請者學位來自非英語授課的高等院校需獲得：

1. 網上托福考試
最低79分 (2026年1月21日及之前參加的考試)；或
總分4分 (2026年1月21日及之后參加的考試)
2. 雅思 (學術) 6.0分或以上；或
3. 全國大學英語六級考試 (CET-6) 最低450分；或
4. 被認可考試的同等成績或資歷*

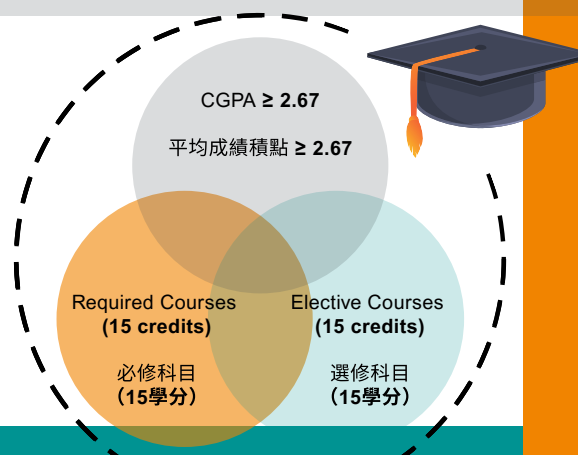
*An equivalent qualification proving his/her English language proficiency which will be considered on a case-by-case basis.

*持有同等資格者，本課程會作個別考慮。

GRADUATION REQUIREMENTS

畢業要求

- Complete a total of **10** courses amounting to **30 credits**, as specified in the programme curriculum
- Achieve a cumulative G.P.A. of at least **2.67**
- 按照課程表中的規定完成總共**10**個課程，合共**30**學分
- 平均成績積點達到**2.67**分或以上



CAREER PROSPECTS 就業前景

Through industrial data analytics projects, the program guides students to systematically tackle real-world challenges across various industries, including manufacturing, energy, transportation, logistics, and healthcare. It nurtures experts equipped with knowledge spanning data science, automatic control, industrial engineering, artificial intelligence, and business analytics, preparing them for impactful careers in their respective fields. Graduates have opportunities to work at leading companies and institutions such as **Huawei, Meituan, Baidu, and China Mobile Hong Kong Company Limited**, etc., where their skills are in high demand.

In terms of career development, students will be well-placed to pursue careers as **industrial data analyst, data analysts/scientists, business intelligence analyst, predictive maintenance specialist, data operations engineer, machine learning engineer** and **supply chain analyst** upon graduation.

透過工業數據分析研究課題，本課程引導學生系統性地應對製造、能源、交通、物流和醫療保健等多個行業的實際挑戰，培育具備數據科學、自動化控制、工業工程、人工智能和商業分析等領域專業知識的專家，為他們在各自的領域開創有影響力的職業生涯做好準備。畢業生在全國不同大型公司及機構，如**華為香港、美團、百度及中國移動香港有限公司**等，均有廣泛的就業機會，其專業技能備受青睞。

職業發展方面，學生畢業後能夠從事**工業數據分析師、數據分析師 / 科學家、商業智能分析師、預測性維護專家、資料營運工程師、機器學習工程師及供應鏈分析師**等。



GRADUATES SHARING 畢業生分享



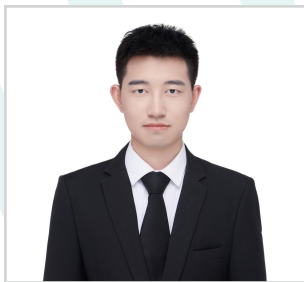
Ms. NI 倪同學

MScIDA 25/26屆畢業生
Graduate, Class of 2025/26

“

The IDA programme helped me understand how data connects with the physical world, where data comes from and how it creates value. Through coursework and projects, I learned to start from the data source and application context rather than simply applying models. This experience enabled me to transit from writing code to solving real industrial problems with data.

在工業數據分析專業的課程中，我第一次看到模型如何與物理世界交互，也真正理解了“數據從哪裡來？應用到何處去？”這個核心靈魂。在項目中，這一邏輯幫我跳出了“拿到數據就跑模型”的慣性，讓我學會了先審視數據來源與採集場景，再明確分析結果將要服務於何種決策，讓每一步工作都有據可依。使我完成了從“寫代碼”到“用數據解決工業問題”的跨越。



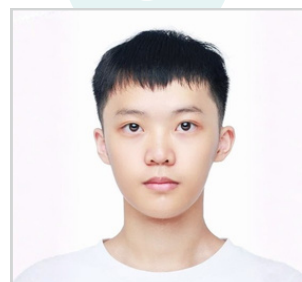
Mr. GENG 耿同學

MScIDA 25/26屆畢業生
Graduate, Class of 2025/26

“

The IDA programme has been a highly rewarding learning experience. Courses such as "Intelligent Control and AI-Driven Analytics" and "Programming with Generative Artificial Intelligence" provided not only a strong theoretical foundation but also practical skills for handling complex industrial data. By bridging engineering knowledge and data-driven modelling, the programme equipped me with the ability to perform data mining and deploy analytical models in complex industrial environments.

在 IDA 的學習中，《智慧控制與 AI 驅動分析》與《生成式人工智慧輔助程式設計》等課程令我受益匪淺。這些課程不僅提供了堅實的理論基礎，更教會了我們如何處理複雜的工業異構數據。從工程圖紙到演算法建模的轉變，讓我具備了在複雜工業環境下進行數據採擷與模型部署的複合能力。



Mr. WEN 溫同學

MScIDA 25/26屆畢業生
Graduate, Class of 2025/26

“

The IDA programme helped me develop practical data analytics skills. What impressed me most was the process of applying models to real-world problems — from data collection and cleaning to feature understanding, model training, and performance evaluation. Each step required careful consideration of the relationship between the data and the problem. While I was initially more focused on coding, through coursework, research projects, and competitions, I gradually learned how to connect technical tools with real-world applications.

IDA 的課程讓我逐漸掌握了更實際的數據分析能力。讓我印象比較深的是用模型處理真實問題的過程，從數據收集、清洗、理解特徵，到訓練模型和評估結果，每一步都需要思考數據和問題之間的關係。剛開始我更熟悉的是代碼實現，但通過課程、科研和比賽，我慢慢學會了把技術工具和實際問題聯繫起來。

ADMISSIONS 入學申請



01

Online Application 網上申請

- Create an account
- Complete the online application form
- Settle the application fee
- 建立帳戶
- 完成網上申請表
- 繳付申請費



02

Prepare Recommendation Letters 準備推薦表格或推薦信

- Prepare two confidential recommendation letters and submit them via official email from referees
- Applications are screened by Admissions Panel once all documents have been received
- Wait for the admissions correspondence, which will be sent via email
- 透過官方電郵提交兩封保密推薦信
- 招生委員會會於所有申請文件收妥後，開始審核申請
- 等待入學結果相關郵件



03

Attend an Interview 參加面試

- Shortlisted candidates may be required to attend an interview conducted by the Admissions Panel
- 部分申請人可能需要參加由招生委員會進行的面試



04

Payment and Enrolment Preparation 付款及入學準備

- Successful applicants must pay the relevant tuition fees by the specified date
- Prepare a student visa (if applicable)
- 成功申請者須在指定日期前完成有關學費繳款
- 準備學生簽證 (如適用)

IMPORTANT DATES 重要日期



Online Application Tutorial
網上申請教學影片

01

Applications Open
申請開放日期

August 2026
2026年8月

02

Application Deadline
申請截止日期

Round1: 30 April 2027
2027年4月30日
Round2: 30 June 2027
2027年6月30日

03

Interviews Conducted
(if required)
進行面試日期 (如需要)

1-2 weeks after the application-
related documents are received
申請相關文件收妥後1-2星期

04

Admission Results
Announced*
錄取結果公布*

2-3 weeks after the interview
面試後2至3星期

*If the applicant has not received a response by July 17, 2027, their application will be deemed unsuccessful.

*如申請人於2027年7月17日之後未收到任何回覆，其申請將被視作不成功。



ENQUIRIES 信息及諮詢



(852) 2616 8719



mscidaadmission@LN.edu.hk



MScIDA Programme Office, G09, G/F, Wu Jieh Yee Lingnan
Hub, Lingnan University, Tuen Mun, Hong Kong
香港新界屯門青山公路8號嶺南大學伍潔宜嶺南坊G09室



官方網站



微信公眾號



小紅書



網上申請系統