Lingnan University 嶺南大學 香港 Hong Kong | SDS School of Data Science 數據科學學院 | MScIDA Industrial Data Analytics



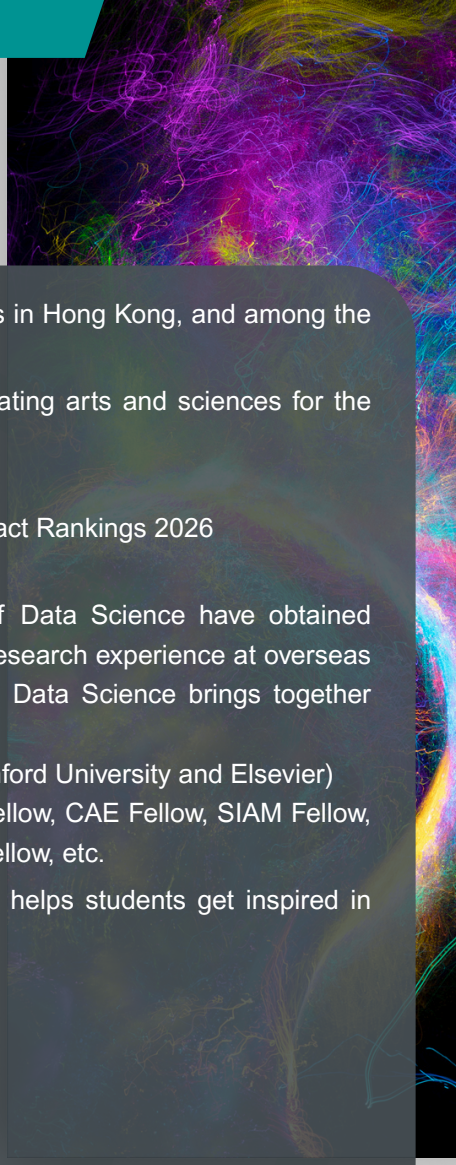


MASTER OF SCIENCE IN INDUSTRIAL DATA ANALYTICS

工业数据分析理学硕士课程

School of Data Science, Lingnan University, HKSAR
岭南大学数据科学学院
香港屯门

WHY LINGNAN
为何选择岭大



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

历史悠久的文化： 香港八大之一，香港历史最悠久的高等教育机构之一

数字时代的博雅教育： 数字时代中领先的文理融合型大学

全球优质教育第一及QS之星5星评级：

- 2026年度泰晤士高等教育世界大学影响力排名「优质教育」排名全球第一
- QS之星大学评级系统5星院校

卓越师资： 数据科学学院超过**60%**教职员在境外知名大学取得博士学位，或具有在海外高校、科研机构、企业研发机构正式教学或科研的经历。数据科学学院汇聚了数十位国际顶尖科学家和青年学者，其中：

- 共**7**位学者入选2026年全球前2%顶尖科学家榜单（斯坦福大学和爱思唯尔共同发布）
- 部份学者亦获得美国化学工程师学会会士（AIChE Fellow）、加拿大工程院院士（CAE Fellow）、美国工业与应用数学学会会士（SIAM Fellow）、美国国家发明家科学院院士（NAI Fellow）、美国数学学会会士（AMS Fellow）、中国工业与应用数学学会会士（CSIAM Fellow）、香港工程院院士（HKAE / HKAES Fellow）、电气电子工程师学会会士（IEEE Fellow）、国际自动控制联合会会士（IFAC Fellow）等专业领域荣誉

优异的师生比： 岭大的小班教学模式可帮助同学们在课堂内外均能获得多方面的启发

1st

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

《泰晤士高等教育大学影响力排名》
「优质教育」蝉联全球第一

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学排名》
「国际展望」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学排名》
全球首 301-350 位

OUTSTANDING PROFESSORS
数据科学学院卓越师资



秦泗钊教授
Prof. QIN Si Zhao Joe
校长
讲座教授
「全球前2%顶尖科学家」
香港工程院院士



陈汉夫教授
Prof. Raymond CHAN Hon Fu
学术暨教务副校长
讲座教授
「全球前2%顶尖科学家」
美国工业与应用数学学会会士



姚新教授
Prof. YAO Xin
副校长(研究及创新)
讲座教授
「全球前2%顶尖科学家」
香港工程院院士



邝得互教授
Prof. KWONG Sam Tak Wu
协理副校长(策略型研究)
讲座教授
「全球前2%顶尖科学家」
加拿大工程院院士



宋永端教授
Prof. SONG Yongduan
数据科学学院院长
讲座教授
「全球前2%顶尖科学家」
中国工程院外籍院士



Prof. MOREL Jean-Michel Henri Olivier
讲座教授
「全球前2%顶尖科学家」



谢浩然教授
Prof. XIE Haoran
数据科学学院副院长
人工智能学部负责人、教授
「全球前2%顶尖科学家」



张滇教授
Prof. ZHANG Dian
数据科学学院副院长
工业数据科学学部负责人、副教授
香港大学荣誉教授
教育部自然科学奖获得者



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



赵瀚荣教授
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)



林泽宏教授
Prof. LIN Zehong
助理教授
PhD (CUHK)



刘政哲教授
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)



钱洋洋教授
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)



吴道远教授
Prof. WU Daoyuan
助理教授
PhD (SMU)



吴刘鹏飞教授
Prof. WU Mike
助理教授
PhD (HKU)



东承祖教授
Prof. DONG Chengzu
教学助理教授
PhD (Deakin)



李钧扬教授
Prof. LEE Kwan Yeung, Kester
教学助理教授
PhD (CUHK)



李楠教授
Prof. LI Nan, Nancy
教学助理教授
PhD (CityUHK)



杨雨韵教授
Prof. YANG Yuyun
教学助理教授
PhD (Stanford)



俞丽莎教授
Prof. YU Lisha
教学助理教授
PhD (CityUHK)



陈红华教授
Prof. CHEN Honghua
研究助理教授
PhD (NUAA)



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



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



刘嘉翔教授
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.

作为香港首批结合数据科学与工业分析的课程，涵盖具身智能、区块链应用实务与数位孪生等新兴技术知识，帮助学生掌握不同行业场景中的数据处理能力，并能应用于商业机构中。课程培养学生理解数据生成过程，并学会与持份者沟通，懂得分析「**数据从哪里来？数据分析用于何处？**」毕业后可投身商业分析、AI应用、智能物流等热门职位，出路广阔。

CURRICULUM 课程结构



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

学 科 基 石
DISCIPLINARY FOUNDATION

- Smart Connectivity and Fusion — 智慧互联与融合
- Strategic Visual Data Analytics — 策略性可视化数据分析
- Programming with Generative Artificial Intelligence — 生成式人工智能辅助编程
- Intelligent Control and AI-Driven Analytics — 智能控制与AI驱动分析
- Industrial Data Analytics Project — 工业数据分析专题研究





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

多 元 兴 趣 导 向
DIVERSE INTEREST ORIENTED

Frontier Intelligence 智能前沿

- Introduction to Embodied Intelligence — 具身智能概论
- Introduction to Digital Twin — 数字孪生概论
- Practical Application of Deep Learning — 深度学习的实际应用
- Introduction to Large Language Models — 大型语言模型概论
- Big Data Analytics — 大数据分析

Smart Ecosystems 智慧生态

- Blockchain-driven Applications — 区块链应用实务
- Smart Logistics — 智慧物流
- Operational Research — 运筹学
- Urban Data Science and Analytics — 城市数据科学与分析

Sustainable Innovation & Leadership 创新领导力

- Healthcare Analytics — 医疗保健分析
- Innovation Management — 创新管理
- Entrepreneurial Leadership for Social Startups — 初创社会企业的创业领导力
- Gerontechnology: Design for an Ageing Society — 乐龄科技与设计：应对老龄化社会
- Introduction to Environmental, Social, and Governance (ESG) Planning — 环境、社会与治理 (ESG) 规划导论

*The offering of elective courses is subject to sufficient demand and division availability.

*选修科目开设与否取决于学生需求及学部教师的教学安排。

Scholarships 奖学金

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.

奖学金将授予成绩优异的申请者，入读本课程的学生均具备资格成为奖学金备选人，不需要额外申请。

Mode of Study and Duration **修读方式及年限**	1 year (Maximum 3 years) **一年 (最长年限3年)**
Medium of Instruction **授课语言**	English **英语**
Tuition Fee **学费**	HK$293,000 (Payable in two instalments)* **港币293,000元 (分2期支付)***
Application Deadline **申请截止日期**	Round1: 30 April 2027; Round2: 30 June 2027 **第一批：2027年4月30日；第二批：2027年6月30日**

*The tuition fee is subjected to approval.
*学费待确定，以官网更新为准。

ADMISSION REQUIREMENTS
录取条件

Qualifications
申请资格

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**).

申请者需持有大学认可的高等教育机构授予的理学、工程学、工商管理或相关专业 (例如**资讯科技**、**机械工程**和**商业分析**) 学士学位；或同等资历。本课程重视**跨学科视角**，欢迎无工程或理科背景的申请者。未曾修读过或仅有有限计算机科学或统计学背景的申请人，需于本课程开学之前完成相应的预科科目 (**计算概论**／**统计学**)。

Language Requirements
语言要求

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*

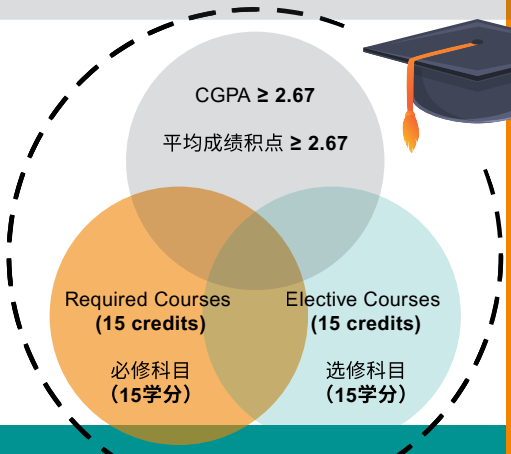
申请者学位来自非英语授课的高等院校需获得：

1. 网上托福考试
   最低79分（2026年1月21日及之前参加的考试）；或
   总分4分（2026年1月21日及之后参加的考试）
2. 雅思（学术）6.0分或以上；或
3. 全国大学英语六级考试（CET-6）最低450分；或
4. 被认可考试的同等成绩或资历*

*An equivalent qualification proving his/her English language proficiency which will be considered on a case-by-case basis.
*持有同等资格者，本课程会作个别考虑。

GRADUATION REQUIREMENTS
毕业要求

- 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**
- 按照课程表中的规定完成总共**10**门课程，合共**30学分**
- 平均成绩积点达到**2.67**分或以上



CAREER PROSPECTS 就业前景

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.

透过工业数据分析研究课题，本课程引导学生系统性地应对制造、能源、交通、物流和医疗保健等多个行业的实际挑战，培育具备数据科学、自动化控制、工业工程、人工智能和商业分析等领域专业知识的专家，为他们在各自的领域开创有影响力的职业生涯做好准备。毕业生在全国不同大型公司及机构，如**华为香港**、**美团**、**百度**及**中国移动香港有限公司**等，均有广泛的就业机会，其专业技能备受青睐。

职业发展方面，学生毕业后能够从事**工业数据分析师、数据分析师 / 科学家、商业智能分析师、预测性维护专家、资料营运工程师、机器学习工程师**及**供应链分析师**等。

GRADUATES SHARING 毕业生分享



Ms. NI　倪同学
MScIDA 25/26届毕业生
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.

在工业数据分析专业的课程中，我第一次看到模型如何与物理世界交互，也真正理解了“数据从哪里来？应用到何处去？”这个核心灵魂。在项目中，这一逻辑帮我跳出了“拿到数据就跑模型”的惯性，让我学会了先审视数据源头与采集场景，再明确分析结果将要服务于何种决策，让每一步工作都有据可依。使我完成了从“写代码”到“用数据解决工业问题”的跨越。



Mr. GENG　耿同学
MScIDA 25/26届毕业生
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* 的学习中，《智能控制与 *AI* 驱动分析》与《生成式人工智能辅助编程》等课程令我受益匪浅。这些课程不仅提供了坚实的理论基础，更教会了我们如何处理复杂的工业异构数据。从工程图纸到算法建模的转变，让我具备了在复杂工业环境下进行数据挖掘与模型部署的复合能力。



Mr. WEN　温同学
MScIDA 25/26届毕业生
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 的课程让我逐渐掌握了更实际的数据分析能力。让我印象比较深的是用模型处理真实问题的过程，从数据收集、清洗、理解特征，到训练模型和评估结果，每一步都需要思考数据和问题之间的关系。刚开始我更熟悉的是代码实现，但通过课程、科研和比赛，我慢慢学会了把技术工具和实际问题联系起来。

ADMISSIONS
入学申请



01
Online Application
线上申请

- Create an account
- Complete the online application form
- Settle the application fee

- **建立帐户**
- **完成线上申请表**
- **缴付申请费**



02
Prepare Recommendation Letters
准备推荐表格或推荐信

- 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

- **通过官方电邮提交两封保密推荐信**
- **招生委员会会于所有申请文件收妥后，开始审核申请**
- **等待入学结果相关邮件**



03
Attend an Interview
参加面试

- Shortlisted candidates may be required to attend an interview conducted by the Admissions Panel

- **部分申请人可能需要参加由招生委员会进行的面试**



04
Payment and Enrolment Preparation
付款及入学准备

- Successful applicants must pay the relevant tuition fees by the specified date
- Prepare a student visa (if applicable)

- **成功申请者须在指定日期前完成有关学费缴款**
- **准备学生签证 (如适用)**

IMPORTANT DATES
重要日期

Online Application Tutorial
线上申请教学视频

01	02	03	04
Applications Open **申请开始日期**	Application Deadline **申请截止日期**	Interviews Conducted (if required) **进行面试日期 (如需要)**	Admission Results Announced* **录取結果公布***
August 2026 **2026年8月**	Round1: 30 April 2027 **2027年4月30日** Round2: 30 June 2027 **2027年6月30日**	1-2 weeks after the application-related documents are received **申请相关文件收妥后1-2星期**	2-3 weeks after the interview **面试后2至3星期**

*If the applicant has not received a response by **July 17, 2027**, their application will be deemed unsuccessful.
*如申请人于**2027年7月17日**之后未收到任何回复，其申请將被视作不成功。



ENQUIRIES 信息及咨询

(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号岭南大学伍絜宜岭南坊G09室

官方网站　微信公众号　小红书　线上申请系统