



香港恒生大學
THE HANG SENG UNIVERSITY
OF HONG KONG
決策科學學院
School of Decision Sciences



決策分析博士
Doctor of
Decision Analytics

Doctor of Decision Analytics (DDA) 決策分析博士

Open for Applications
現正招生

● Programme Overview

课程简介

The Doctor of Decision Analytics (DDA) is the first professional doctorate programme in Hong Kong focused on decision analytics. It teaches students how to make complex business decisions using statistics and computer science, and how technology creates a global supply network. The programme provides advanced knowledge in statistics, computer science, and supply chain management, helping students make informed decisions in business and public sectors. It also integrates academic study with practical experience to support career development in business.

决策分析博士（DDA）是香港首个专注于决策分析的专业博士课程。该课程教授学生如何利用统计学和计算机科学做出复杂的商业决策，以及科技如何构建全球供应网络。该课程提供统计学、计算机科学和供应链管理的先进知识，帮助学生在商业和公共部门做出明智的决策。同时，它将学术研究与实践经验相结合，以支持学生在商业领域的职业发展。



Mode of Study 学制

- Three years (Full-time)
三年（全日制）
- Six years (Part-time)
六年（兼读制）



Medium of Instruction 授课语言

English
英语



Tuition Fees (2026/27) 学费 (2026/27)

HK\$600,000
(Total 60 credits)

港币 600,000 元
(总计 60 个学分)

Programme Curriculum

课程结构

Core Modules
核心科目

Elective Modules
选修科目

4 Taught Core Modules 4个教学核心单元

- Quantitative Methods for Data Science
数据科学定量方法
- Programming for Decision Analytics
决策分析编程
- Research Methods for Decision Analytics 1
决策分析研究方法 1
- Research Methods for Decision Analytics 2
决策分析研究方法 2

2 Professional and Research Modules 2个专业及研究单元

- DDA Residential*
DDA住宿单元
- DDA Thesis
DDA博士论文

* This module consists of a series of professional and research activities focused on decision analytics, including a professional talk series, research seminars and workshops, international conferences, and visits to research institutions and companies. Additionally, the module features student presentations and study tours or field trips.

本单元包括一系列专注于决策分析的专业和研究活动，内容涵盖专业讲座系列、研讨会、国际会议，以及对研究机构和公司的访问。此外，本单元还包括学生演讲和研究考察或实地考察。

At least 4 Taught Elective Modules - Students are required to select at least one module from at least two clusters
至少4个教学选修单元 - 学生必须选择至少两个集群，每一集群选择至少一个单元。

Data Analytics Cluster 数据分析集群

- Data Analytics
数据分析
- Analysis for Financial Time Series
金融时间序列分析
- Simulation for Risk Management
风险管理模拟
- Advanced Data Analytics
进阶数据分析
- Big Data Management
大数据管理
- Big Data Security and Privacy
大数据安全与隐私
- Machine Learning
机器学习
- Deep Learning
深度学习
- Selected Topics in Data Science
数据科学专题

Supply Chain Analytics Cluster 供应链分析集群

- Contemporary Operations Management
当代运营管理
- Global Supply Chain Management
环球供应链管理
- Transport Logistics and Law
运输物流与法律
- Strategic Procurement Management
战略采购管理
- Decision Modelling for Managers
管理人员的决策建模
- Process Management in Supply Chain
供应链流程管理
- Project Management
项目管理
- Supply Chain Analytics
供应链分析
- E-Business and Enterprise Systems
电子商贸与企业系统
- E-Logistics and Technology Management
电子物流与技术管理
- Selected Topics in Supply Chain Management
供应链管理专题

Business Analytics Cluster 商业分析集群

- Accounting for Decision Making
决策会计
- Fintech and Innovation
金融科技与创新
- Contemporary Issues in Financial Markets
金融市场的当代问题
- Global Management
全球管理
- Digital and Cyber Marketing
数字与网络营销
- Global Strategic Marketing
全球策略营销
- Managing Innovation in Information Technology
信息技术创新管理

Graduation Requirements

学位授予

To be eligible for the award of the DDA Programme, students are required to:
学生需符合以下毕业要求，方可获颁决策分析博士学位：

1

Complete and obtain a Grade D or above in at least 24 credits of taught modules, including 12 credits from all taught core modules;
完成至少 24 个教学单元学分并获得 D 级或以上成绩，包括 12 个学分的教学核心单元；

2

Receive a "Pass grade" for the residential module (6 credits) and the DDA thesis (30 credits); and
通过住宿单元（6 个学分）和博士论文（30 个学分）；及

3

Obtain a minimum cumulative GPA of 3.0.
累积平均绩点达到 3.0 或以上。

Intermediate Exit Award

中级毕业学位

Students who leave completing part of, but not all the requirements of the DDA Programme may apply for the Intermediate Exit Award of Master of Science in Decision Analytics (MSc-DA).

To be eligible for the award of the MSc-DA Programme, students are required to:

学生如未能符合决策分析博士学位的毕业要求，可申请决策分析理学硕士（MSc-DA）中级毕业学位。

学生需符合以下毕业要求，方可获颁决策分析理学硕士学位：

1

Complete and obtain a Grade D or above in at least 24 credits of taught modules, including 12 credits from all taught core modules; and
完成至少 24 个教学单元学分并获得 D 级或以上成绩，包括 12 个学分的教学核心单元；及

2

Obtain a minimum cumulative GPA of 2.0.
累积平均绩点达到 2.0 或以上。

Admission Requirements

入学要求

1

A bachelor's degree with second class honours (upper division) or equivalent in science, engineering, business or related disciplines from a recognised university or institution; or A master's degree or equivalent in science, engineering, business or related disciplines from a recognised university or institution;
具有获认可的大学科学、工程、商科或相关学科的二等荣誉（甲级）本科学位或同等学历；或
具有获认可的大学科学、工程、商科或相关学科硕士学位或同等学历；

2

A minimum of three years' relevant work experience; and
至少三年相关工作经验；及

3

Fulfilment of one of the following English language proficiency requirements is required if none of the applicant's previous degrees (bachelor's or master's) was obtained from a university/tertiary institution where English is the medium of instruction:

- TOEFL ≥ 550 (paper-based), ≥ 79 (Internet-based),
- IELTS (Academic) ≥ 6.0 ,
- CET 6 ≥ 430 or "Pass" if the test was taken before June 2005;
- or an equivalent qualification.

若申请人已获取的学位课程并非以英语授课，则申请人必须完成以下一项英语语言能力考试：

- 托福 ≥ 550 （笔考）， ≥ 79 （网考）；
- 雅思（学术组） ≥ 6.0 ；
- 大学英语六级考试 ≥ 430 ；或“合格”（仅适用于2005年6月前）；
- 或与上述条件同等的资历

Teaching Venues

教学场地



The Hang Seng University of Hong Kong (HSUHK) Shatin Main Campus
香港恒生大学沙田主校园



The Create at M+ Tower in the West Kowloon Cultural District (HSUHK Town Centre)
创意荟



Other venues designated by the University
大学指定的其他场地

Programme Team

课程团队

陈伟森 教授

Wai Sum CHAN, Professor

美国天普大学博士
精算建模，商业预测，金融计算经济

PhD (Temple)
Actuarial Modeling, Business Forecasting, Financial Economics

蔡少佳 教授 课程主任

Siu Kai CHOY, Professor, Programme Director

香港浸会大学博士
数据挖掘，机器学习，影像处理

PhD (HKBU)
Data Mining, Machine Learning, Image Processing

冯颖康 副教授

Derrick FUNG, Associate Professor

香港中文大学博士
保险法规，风险管理，保险公司企业财务

PhD (CUHK)
Insurance Regulation, Management, Corporate Finance for Insurers

何道森 副教授 课程副主任

George HO, Associate Professor, Associate Programme Director

香港理工大学博士
物联网应用与商业智能

PhD (HKPolyU)
Internet-of-Things Applications and Business Intelligence

林树仁 副教授

Benson LAM, Associate Professor

香港城市大学博士
数据挖掘，机器学习，影像处理，模式识别

PhD (HKCityU)
Data Mining, Machine Learning, Image Processing, Pattern Recognition

刘海 教授

Hai LIU, Professor

香港城市大学博士
机器人网络，云计算，群体智能

PhD (HKCityU)
Robotics Networks, Cloud Computing, Swarm Intelligence

马裕德 副教授

Chris MA, Associate Professor

美国普渡大学博士
网络物理系统安全和隐私

PhD (Purdue)
Security and Privacy of Cyber Physical Systems

马凯琳 副教授

Helen MA, Associate Professor

香港理工大学博士
大数据与机器学习交通网络分析

PhD (HKPolyU)
Big Data and Machine Learning in Transportation Network Analysis

巫耀荣 教授

Daniel MO, Professor

香港科技大学博士
物流系统优化，智能系统设计

PhD (HKUST)
Logistics Systems Optimization, Design of Intelligence Systems

吴志雄 副教授

Stephen NG, Associate Professor

香港中文大学博士
供应链质量与风险管理

PhD (CUHK)
Supply-chain Quality and Risk Management

吴伟亮 副教授

Tom NG, Associate Professor

香港中文大学博士
变点分析，自助重抽样法，时间序列分析

PhD (CUHK)
Change-point Analysis, Bootstrap Resampling, Time Series

萧志中 副教授

Chi Chung SIU, Associate Professor

日本东京都立大学博士
随机控制，精算数学，金融数学，运筹学，随机微分博弈

PhD (TMU)
Stochastic Control, Actuarial Mathematics, Financial Mathematics, Operations Research, Stochastic Differential Games

黄彦璋 副教授

Eugene WONG, Associate Professor

香港大学博士
海事及航空物流，供应链脱碳，航运法

PhD (HKU)
Maritime and Aviation Logistics, Supply Chain Decarbonization, Shipping Law

胡镇浩 副教授

Jack WU, Associate Professor

香港理工大学博士
工业物联网，智能物流与制造

PhD (HKPolyU)
Industrial Internet-of-Things, Smart Logistics and Manufacturing

余国惠 副教授

Carisa YU, Associate Professor

香港理工大学博士
资产管理，风险管理，金融优化理论，期权定价

PhD (HKPolyU)
Asset Management, Risk Management, Financial Optimization, Option Pricing

Programme Facilities 课程设施

Laboratory Facilities 实验室设施



Virtual Reality and Big Data
Analytics Laboratory
虚拟实境与大数据分析实验室

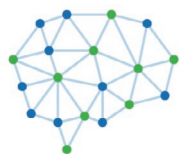


Decision Sciences Technology
Laboratory
决策科学科技实验室



Applied Statistics Laboratory
应用统计实验室

Research Centres 研究中心



**BIG DATA
INTELLIGENCE
CENTRE**

Big Data Intelligence Centre
大数据智能中心



**SUPPLY CHAIN
EXCELLENCE AND
INNOVATION
CENTRE**
供應鏈卓越創新中心

Supply Chain Excellence and Innovation Centre
供应链卓越与创新中心

Research Performance 研究实力

**Strategic
Research Area
战略研究领域**

Artificial Intelligence and
Networking with Cloud
人工智能和云端网络

Data Mining and Quantitative
Risk Management
数据挖掘和量化风险管理

Business Analytics and Supply
Chain Excellence
商业分析和供应链卓越

**Research
Grants
研究资助**

(up to 2024/25)

Over HK\$160 million
多于港币 1.6 亿元

Message from Industry Leaders

业界领袖寄语



Dr Rocky Lam
林志明博士

Business Director,
Vantis Consulting Group
云特思顾问集团董事总经理

Decision analytics is a discipline which ensures that business decisions are made by considering all the relevant factors, information, and options available. Therefore, our company has always treated *Decision analysis* as a very crucial role in all business areas such as risk, capital investments, strategy, asset investment planning, and more.

决策分析是一门确保商业决策在考虑所有相关因素、信息和可选方案的基础上作出的学科。因此，我们公司一直将决策分析视为在风险、资本投资、战略、资产投资规划等各个业务领域中非常重要的角色。



Ms Christine Yau
姚秀凤女士

President of Project Management
Institute Hong Kong Chapter
国际项目管理学会香港分会会长

This programme is designed to empower professionals with cutting-edge analytical skills and strategic decision-making capabilities. I believe it will shape future leaders who can navigate complex challenges and drive impactful change in a data-driven world.

这课程旨在赋能专业人士，使其具备前沿的分析技能和战略决策能力。我相信这将培养出能够应对复杂挑战并在数据驱动的世界中推动深远变革的未来领导者。

Admission Enquiries

入学查询



dda@hsu.edu.hk



+852 3963 5594



<https://dda.hsu.edu.hk>



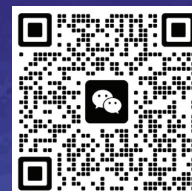
WhatsApp



(852) 5687 2480



WeChat



DDAHSUHK



Xiaohongshu



DDA_HSUHK

Qualifications Framework 资历架构

QR Registration No. 资历名册登记号码：25/001219/L7

Registration Validity Period 登记有效期：01/09/2026 - 31/08/2030

QF Level 资历架构级别：7

In case of any discrepancy between the English and Chinese versions of this leaflet, the English version shall prevail.
本课程简介以英文为准，中文译本仅供参考。

The Hang Seng University of Hong Kong is incorporated in Hong Kong with limited liability by guarantee.
香港恒生大学是一间于香港注册成立之担保有限公司。

Information updated as of November 2025.
有关资料更新至2025年11月。



Website



Online registration

