FELLOWSHIPS SCHEME

Fellowship awards are available for local students admitted to this programme under the University Grants Committee (UGC) Targeted Taught Postgraduate Programmes Fellowships Scheme supported by the HKSAR Government. This programme is one of the targeted programmes listed under the Fellowships Scheme in the priority area of “Emerging Research”. Successful Fellowships recipients may be awarded up to of HK$120,000 as prescribed by the UGC for the settlement of the tuition. Local students admitted to the programme in full-time, part-time or combined study mode will be invited to submit applications for the Fellowships.

DURATION AND CREDIT REQUIREMENT

Duration of study:
- Normal Period
  - Full-time (1 year)
  - Part-time (2 years)
- Maximum Period
  - FT (2.5 years)
  - PT/combined mode (5 years)

Total credit units required: 30

SCHOOL OF DATA SCIENCE

+852 3442 7887
dsccgo@cityu.edu.hk
https://www.cityu.edu.hk/sdsc

16-201, 16/F, Lau Ming Wai Academic Building
City University of Hong Kong
83 Tat Chee Avenue Kowloon Hong Kong
PROGRAMME AIMS

The programme aims to produce data-analytic graduates to meet the growing demand for high-level data science skills and to prepare graduates to apply data science techniques to knowledge discovery and dissemination in organizational decision-making. It is also intended to help organizational data analytic professionals upgrade their technical management and development skills, and to provide a solid path for students from related quantitative fields to rapidly transition to data science careers.

PROGRAMME STRUCTURE

You can obtain an MSc degree by completing coursework only or by combining coursework with a dissertation project.

- **Core courses:**
  - Exploratory Data Analysis and Visualisation
  - Research Projects for Data Science
  - Statistical Machine Learning I
  - Statistical Machine Learning II
  - Storing and Retrieving Data

- **Elective courses:** Cross-disciplinary courses will be introduced to offer students solid theoretical training in data science, including fundamentals of machine learning, optimization and statistics, and hands-on experiences in data science applications, including artificial intelligence, blockchain, natural language processing, smart cities and many others. Students can tailor the curriculum to their professional interests and career needs.

For a full list of elective courses, please visit [https://www.cityu.edu.hk/sdsc/msds](https://www.cityu.edu.hk/sdsc/msds)

CAREER PROSPECTS

Our MSDS programme offers comprehensive and rigorous training for students seeking a profession in data science. Our graduates have embarked on exciting and highly rewarding careers such as data scientists, data analysts, data engineers, AI engineers, professional consultants, managers, and other data expert positions. These careers, which have excellent prospects for growth and high compensation, are in high demand in industries such as finance and banking, technology, real estate, insurance, education, e-commerce, retail and marketing, and transportation and logistics.

Our graduates from the past few years have found employment in prestigious companies that include members of the Big Four accounting firm, tech giants, retail giants, and international banks. Moreover, they are shouldering critical roles that involve the use of data science to aid highly impactful tasks such as strategic business and operations decision-making, and innovative product and process development. Their careers spread across Hong Kong, the USA, and Mainland China (e.g. Beijing, Ningbo, Chongqing, Shanghai, and Shenzhen, etc.) Around 60% of our surveyed graduates receive a monthly salary of over HKD$30,000. Some of our graduates are also furthering their studies in PhD programmes at world-renowned universities.

ADMISSION AND ENGLISH PROFICIENCY REQUIREMENTS

Applicant must be a degree holder in Engineering, Science or another relevant discipline or its equivalent. Non-local candidates from an institution where the medium of instruction is not English should fulfil one of the following English proficiency requirements:

- a TOEFL score of 59 (revised paper-delivered test) or 79 (Internet-based test) on the Test of English as a Foreign Language (TOEFL); or
- an overall band score of 6.5 in International English Language Testing System (IELTS); or
- a minimum score of 450 in band 6 in the Chinese mainland’s College English Test (CET6); or
- other equivalent qualifications.