STUDENT LIFE

The School provides student exchange and internship opportunities to our students to gain international perspectives, global engagement and industry experience.

Student may choose between the overseas student exchange opportunities at world-leading institutions provided by the School or the University. Paying the tuition at CityU, students will spend a study semester abroad and may transfer the academic credits earned at the host institution to fulfill the graduation requirement.

The School also partners with premier corporates in a wide range of sectors to offer SDSC-privileged internship opportunities to our students. With these placements, students are expected to gain practical knowledge and hands-on experience in real-world applications. To date, the School has set up internship arrangements with close to 20 companies.

NEEDED IN ALMOST EVERY FIELD

Academia Consultancy Finance & Banking Government
Healthcare Insurance IT Companies Law
New Media / Social Media Retail & Marketing Social Work Transportation & Logistics

IN-DEMAND DATA SCIENCE CAREERS

Business Intelligence Analyst Consultant Data Analyst Data Engineer
Data Scientist Database Developer Financial Quantitative Analyst Machine Learning Engineer
Statistician Marketing Analyst

From now on, knowledge in data science will be essential to every sector, just like language skill.

Dr. Lucas Hui
Chief Technology Officer, ASTRI

I strongly welcome these programmes as they provide graduates of professional training in data science disciplines to fill-up such soaring demand of talents locally and internationally.

Dr. Hau XUANG
Head of Development and Commercialization, The Laboratory for AI-Powered Financial Technologies Ltd.

SCHOOL OF DATA SCIENCE

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Data Science at City University of Hong Kong
JOIN US NOW!
www.cityu.edu.hk/sdsc
WE PROVIDE DATA SCIENCE PROGRAMMES

City University of Hong Kong offers two unique undergraduate programmes aimed at nurturing and developing students to become data science professionals who are able to discover applicable knowledge to support social and economic development in Hong Kong and beyond.

WHAT IS DATA SCIENCE?

Data science is an interdisciplinary field that uses scientific methods, processes, algorithms and systems to extract knowledge and insights from data. It employs techniques and theories within the context of mathematics, statistics, and computer science. It can add value to businesses by utilizing their data. Data science aims to help solve many important problems ranging from smart city to management and finance.

WHY STUDY DATA SCIENCE?

Recently, businesses and industries powered by data science experience a sharp growth. Various companies and organizations in Hong Kong and beyond are developing their own data analytics units. Numerous start-ups and incubation firms focus their energy on data science. Data science has become one of the most popular and promising careers nowadays.

SCHOOL OF DATA SCIENCE (JS1071)

(Options: BSc Data Science, BSc Data and Systems Engineering)

Data Science focuses on solving problems and advancing societies using vast amounts of data. Students of JS1071 will have a free choice of majors (BSc Data Science or BSc Data and Systems Engineering) after one year of study.

WHY US?

1. The first School of Data Science in Hong Kong and the region
2. Ranked 53rd in the world (QS World University Rankings 2022)
3. Ranked 4th among the world’s top 50 universities founded in the last 50 years (QS Top 50 Under 50)

We need Data Science talents to help shape a Smarter Hong Kong.

Dr. Ernest LO
Founder and CEO, Future Impact Lab Ltd.

Mr. Zhuoqun YANG
Director of SF Express Big Data Platform Research Center

Curriculum

Data Science Project

Apply your knowledge and showcase your data science capabilities

Major Elective Courses

Freedom to follow your own path and interests
You may make use of the free electives to gain domain knowledge in specific areas or even enrich your studies with a minor

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Data Science Courses
Fundamental courses to start your study in data science
- Data Mining
- Convex Optimization
- Statistical Methods and Data Analysis
- Data Visualization
- Artificial Intelligence
- Introduction to Data Science
- Fundamentals of Machine Learning

Gateway Education Courses
Required courses to build the foundation
- Calculus
- Linear Algebra
- English and Chinese
- Database Systems
- Computer Programming
- Probability and Statistics

This figure shows the basic structure of our two programmes. It is subject to change.