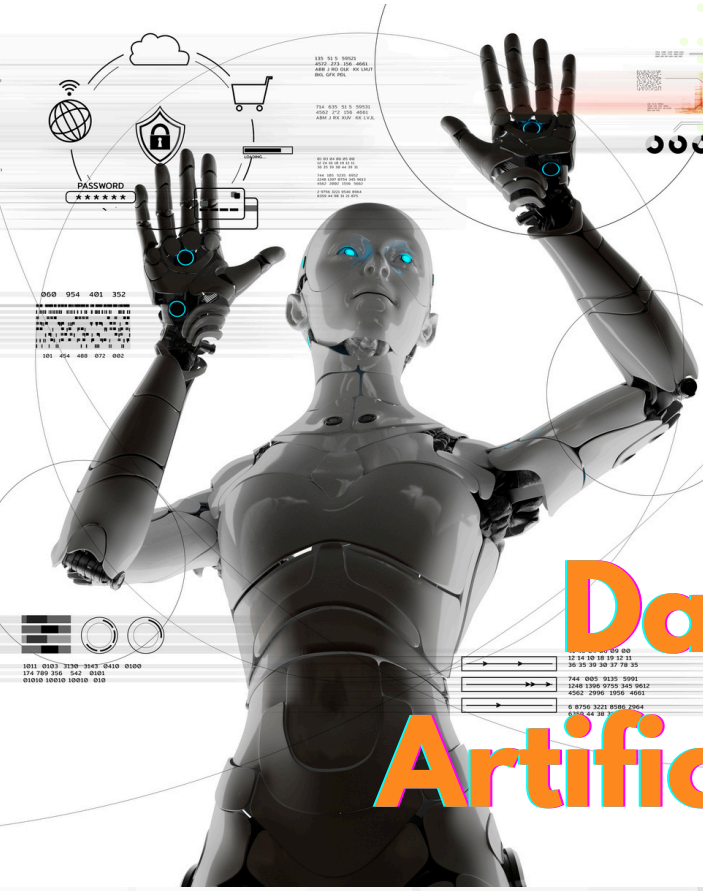
THE HONG KONG POLYTECHNIC UNIVERSITY
香港理工大學

Department of
Data Science & Artificial Intelligence
數據科學及人工智能學系



JUPAS code: JS3223

Bachelor of Science (Hons) Scheme in

Data Science and Artificial Intelligence

Global Rankings

U.S. News & World Report's Best Global Universities Rankings 2025-2026

U.S.News & WORLD REPORT RANKINGS

#28
in Artificial Intelligence

QS World University Rankings by Subject 2025

QS WORLD UNIVERSITY RANKINGS

#31
in Statistics and Operational Research

#40
in Data Science and Artificial Intelligence

Data science (DS) and artificial intelligence (AI) are rapidly growing fields with enormous potential for innovation and societal impact. The Department of Data Science and Artificial Intelligence (DSAI) is committed to nurturing talented individuals at all levels, shaping them into the next generation of DS and AI leaders. Through a rigorous curriculum and immersive learning experiences, DSAI fosters the growth and development of its students, empowering them with the knowledge, skills, and critical thinking capabilities needed to make a meaningful impact in the dynamic fields of DS and AI.

We offer the BSc (Hons) Scheme in Data Science and Artificial Intelligence that includes 2 different major degree programmes - the **BSc (Hons) in Financial Technology and Artificial Intelligence** programme and the **BSc (Hons) in Data Science and Analytics** programme.

All admitted students will embark on a **Common Year One curriculum**. After the first year of studies, students can decide whether to continue with their initial choice or switch to another choice within the Faculty of Computer and Mathematical Sciences. Those who wish to switch can choose their preferred departmental scheme/programme through a ranking assessment.

BSc (Hons) in

Financial Technology and Artificial Intelligence

This programme aims to cultivate financial technologists who can develop intelligent software applications and innovative finance solutions, by equipping them with good fundamental computing knowledge with a focus on AI, sound finance concepts and strong intellectual and practical skills, which enable them to apply computing technologies in finance and related areas. They are expected to be adaptive to the fast-changing technology, economic and social environments of today.

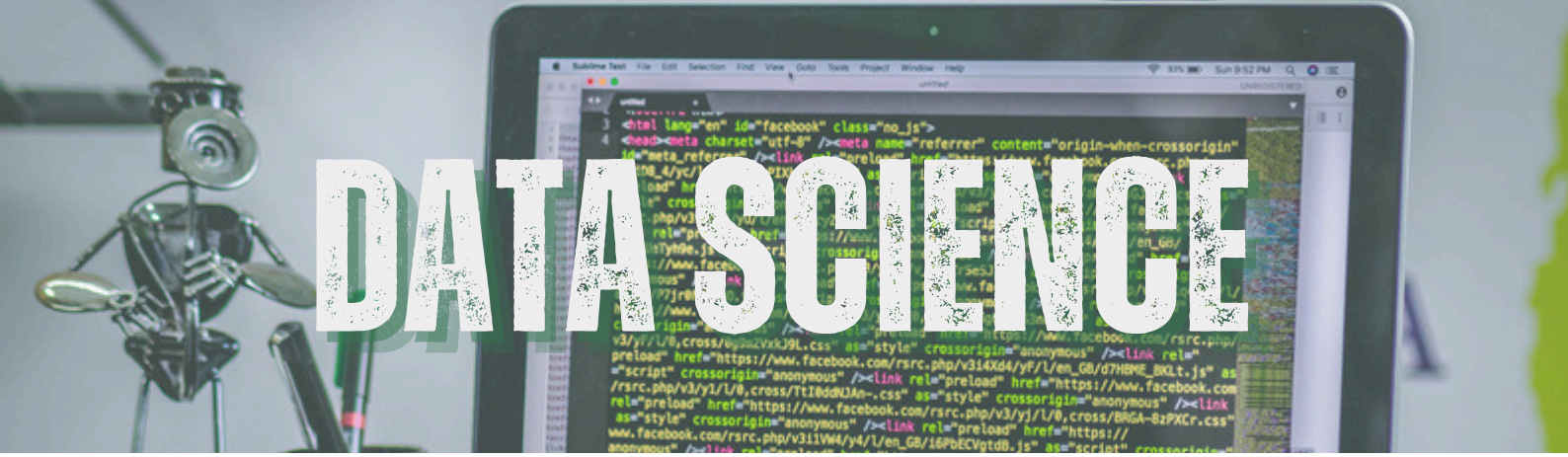
Characteristics

An interdisciplinary curriculum that covers software engineering, systems security, artificial intelligence, machine learning, cryptocurrency, crowdfunding and e-finance, big data and other related areas.

Career Prospect

Graduates of the BSc (Hons) in Financial Technology and Artificial Intelligence enjoy outstanding career prospects in both the finance and technology sectors. With cutting-edge skills in AI, finance, and emerging technologies, they are well-prepared for roles such as FinTech analyst, AI engineer, blockchain developer, data scientist, financial consultant, entrepreneur, and more. As technology continues to reshape the financial industry, demand for these versatile professionals is rapidly increasing, opening up a world of diverse and rewarding opportunities.

High Demand for Talents in Data Science & Artificial Intelligence



BSc (Hons) in

Data Science and Analytics

This programme provides students with a solid foundation in data science and hands-on data analytical and programming skills, enabling students to pursue careers in a broad range of industries, including information technology, marketing and research, consultancy, healthcare, business retail, urban planning, government and public utilities.

Characteristics

A flexible curriculum where students can border their data science domain knowledge by choosing elective subjects from a large subject pool offered by different departments such as School of Accounting and Finance, Department of Building and Real Estate, Department of Health Technology and Informatics, and Department of Land Surveying and Geo-Informatics.

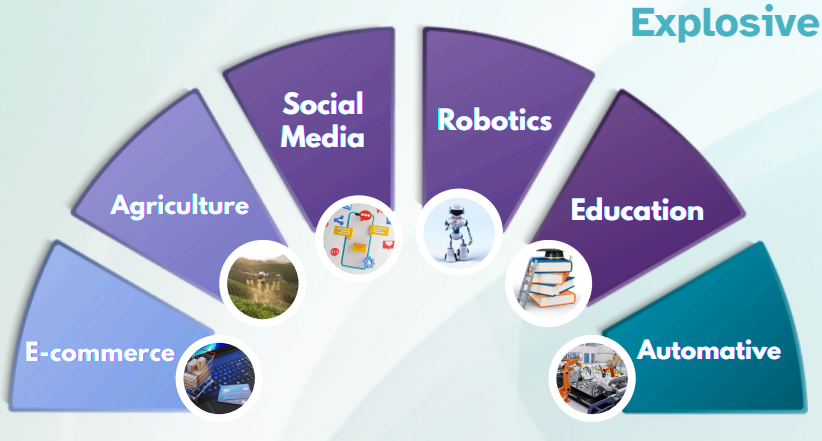
Career Prospect

Upon completion of the programme, graduates with the major in BSc (Hons) in Data Science and Analytics are expected to receive partial exemption* from the professional assessment of:

- Hong Kong Statistical Society
- Royal Statistical Society of UK

**Subject to confirmation*

Graduates will be able to pursue careers as data analysts in a broad range of industries such as asset management companies, database management service companies, healthcare, information technology solution providers, etc.



Explosive Job Growth Across Industries

Diverse Career Opportunities

Global Demand

Features

- Unique common first year with flexible programmes to choose
- Choice of minor in other departments or faculties
- Up to 32-week internship option / Work-Integrated Education (WIE)
- Overseas exchange and international learning opportunities

Study Path

Year 1

BSc (Hons) Scheme in Data Science and Artificial Intelligence

Year 2-4

BSc (Hons) in Financial Technology and Artificial Intelligence

OR

BSc (Hons) in Data Science and Analytics

Duration and Credit Requirement

Mode of Study	Full-time
Normal Duration	4 years
Credit Required for Graduation	120 - 124 academic credits plus WIE training credits
Type of Funding	Government-funded

Entrance Requirements

Students with backgrounds in Arts, Science or Business can apply.

For JUPAS, applicants must satisfy the General Entrance Requirements of The Hong Kong Polytechnic University. Specifically, they have to meet the following minimum requirements:

- Level 3 in English Language and Chinese Language;
- Level 2 in Mathematics;
- An attainment at “Attained” in Citizenship and Social Development, and
- Level 3 in two elective subjects (including M1/M2)

For more details on the University’s General Entrance Requirements, please visit the undergraduate admissions website at https://www.polyu.edu.hk/study/ug/admissions or scan the QR code on the right.

Department of Data Science and Artificial Intelligence

dsai.ug@polyu.edu.hk

https://www.polyu.edu.hk/dsai

@polyudsai