Department of Computer Science

香港城市大學
City University of Hong Kong

BACHELOR OF SCIENCE IN
COMPUTER SCIENCE

理學士（電腦科學）

JUPAS Catalogue No.: JS1204

MAXIMIZE YOUR POTENTIAL AS AN IT PROFESSIONAL

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City University of Hong Kong

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BACHELOR OF SCIENCE
IN COMPUTER SCIENCE
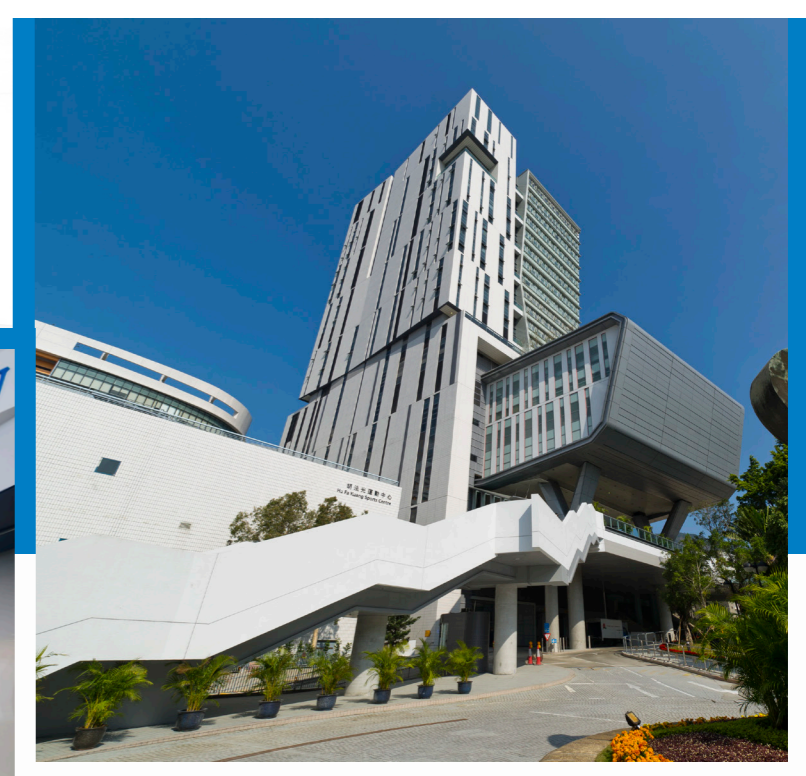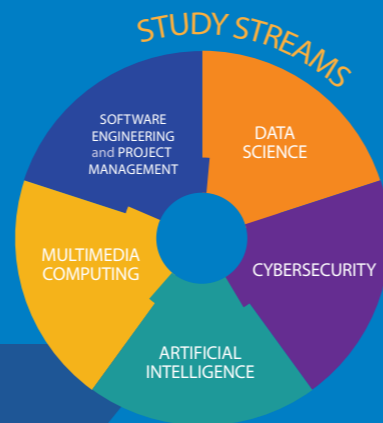
AIMS OF
THE PROGRAMME

The programme aims to provide the best possible undergraduate education with a well-balanced emphasis on computer science theories, practical hands-on development skills, as well as software engineering know-how that are necessary for successful careers as professional software developers, system analysts, system architects and technology officers. Our study streams allow students to further specialize in different areas of expertise. In addition, the programme has a mandatory internship component that allows students to gain real world experience, which will provide a significant edge when students look for employment after graduation.

PROGRAMME
STRUCTURE

The curriculum includes highly focused core courses and a wide range of electives. Besides, study streams are provided to allow students to study in depth in a selected area, which will enhance their competitiveness in developing their careers.

STUDY STREAMS

- SOFTWARE ENGINEERING and PROJECT MANAGEMENT
- DATA SCIENCE
- CYBERSECURITY
- ARTIFICIAL INTELLIGENCE
- MULTIMEDIA COMPUTING

CORE SUBJECTS

· COMPUTER PROGRAMMING
· DATABASE SYSTEMS
· OPERATING SYSTEMS
· SOFTWARE DESIGN
· IT PROFESSIONAL INTERNSHIP
· FINAL YEAR PROJECT

Computer Science Laboratory

PROFESSIONAL
RECOGNITION

The programme is the first computer science programme in Hong Kong accredited by the Hong Kong Institution of Engineers (HKIE).

CAREER PROSPECTS
AND FURTHER STUDIES

The graduates of the programme, with a year of internship experience, have achieved very high employment rates in recent Graduate Employment Surveys. Students who pursued further studies received offers from prestigious universities including the Massachusetts Institute of Technology, Carnegie Mellon University, Columbia University, ETH Zürich, Johns Hopkins University, Nanyang Technological University, the University of California San Diego, the University of Illinois Urbana-Champaign and the University of Waterloo.

INTERNATIONAL EXPOSURE &
CO-CURRICULAR LEARNING

Students are encouraged to participate in a wide range of overseas learning and co-curricular activities to broaden their international outlook and multicultural perspectives in an increasingly globalized world.

STUDENT EXCHANGE PROGRAMMES

To study abroad for a semester at partner institutions in Asia, Europe and North America.

OVERSEAS LEARNING PROGRAMMES

To subsidize students to participate in learning programmes offered by prestigious overseas universities.

PROFESSIONAL MENTORSHIP PROGRAMME

To support students in their personal and professional development by pairing them with experienced IT professionals.

SPECIAL
FEATURES

After completing two years of study, students will join the IT Professional Internship to work in companies joining our internship programme for nine months in related fields to gain real work experience. Below is a partial list of companies offering internships to our students in recent years:

- CLP Power
- Deloitte
- HK Electric
- Hong Kong Jockey Club
- Hospital Authority
- Jardine Matheson
- KPMG
- OOCL
- PricewaterhouseCoopers
- Shanghai Commercial Bank
- Siemens
- Swire Resources
- The Bank of East Asia

STUDENT
ACHIEVEMENTS

1 HackUST 2023
OKX Web3.0 Master Award
JLL Building Management Metaverse Application Award

2 Swire Hotel Hackathon 2023
First Place Winning Team

3 13th Challenge Cup 2023
Golden Award

4 ASMPT Technology Award 2023
Bronze Award

5 Russel C. Millie Award 2022
Awarded to a graduate of 2022 from the Joint Bachelor's Degree program between CityU and Columbia U for excellence in the area of computer science

JLL Building Management Metaverse Application Award / OKX Web3.0 Master Award

Think Differently with Swire Hotels / Hackathon 2023

ASMPT TECHNOLOGY AWARD 2023 / Award Presentation Ceremony / HK$ 30,000

Photo credit: Sirin Samman/Columbia University

ENTRANCE
REQUIREMENTS

For admission to JS1204 BSc Computer Science,
JUPAS HKDSE applicants must meet the following entrance requirements and levels.

MINIMUM LEVEL REQUIRED

Subject	Requirement
ENGLISH LANGUAGE	Level 3
CHINESE LANGUAGE	Level 3
MATHEMATICS	Level 3
CITIZENSHIP AND SOCIAL DEVELOPMENT	Attained
ELECTIVE 1	Level 3 in ONE elective subject from: - Biology - Chemistry - Information and Communication Technology - M1 / M2 - Physics
ELECTIVE 2	Level 3 in ANY elective subjects