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 placement component that allows students to gain real world experience, which will provide a significant edge when students look for employment after graduation.

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 multilingual perspectives in an increasingly globalized world.

STUDENT EXCHANGE PROGRAMME

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

CULTURAL AND LANGUAGE IMMERSION SCHEME IN UK

A four-week summer programme to provide an opportunity for students to improve their English and explore the cultural aspects of the UK.

BIG DATA ANALYTICS

A four-week summer programme offered by the University of Missouri to expose students to the latest development in Big Data Analytics.

SUMMER EXPERIENCE IN USA

A four-week summer programme in Minnesota to expose students to the latest development in Big Data Analytics.

OVERSEAS RESEARCH INTERNSHIPS

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

PROGRAMME STRUCTURE

The curriculum includes highly focused core courses and a wide range of elective courses. 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
- Information Security
- Artificial Intelligence
- Multimedia Computing
- Software Engineering and Project Management
- Operating Systems
- Software Design
- IT Professional Placement
- Final Year Project

SPECIAL FEATURES

After completing two years of study, students will join the IT Professional Placement (ITPP) to work in companies joining our placement programme for a year in related fields to gain real work experience. Below is a partial list of companies offering placement to our students in recent years:

- HGC Global Communications
- Hong Kong Exchanges and Clearing
- Hospital Authority
- HSBC
- IBM
- Jardine Matheson
- Kuei & Nagel
- Office of the Government Chief Information Officer
- Octopus Holdings
- Siemens
- Sun Hung Kai Real Estate Agency
- The Hongkong Electric

STUDENT AWARDS

1. PwC Data-lympics 2019 Most Innovative Award
2. ACM ICPC Chinese Collegiate Programming Contest 2018 Silver Medal
3. China Collegiate Computing Contest – Mobile Application Innovation Contest 2018 Second Prize
4. 4th Hong Kong University Student Innovation and Entrepreneurship Competition 2019 Second Runner-up
5. Classified Post-Hackathon 2018 First Runner-up

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 placement experience, have achieved very high employment rates in recent Graduate Employment Surveys. Students who pursued further studies received offers from prestigious universities including Yale University, Brown University, Columbia University, Carnegie-Mellon University, Cornell University, Boston University and University of Minnesota.

ENGLISH LANGUAGE

Level 3

CHINESE LANGUAGE

Level 3

MATHMATICS

Level 3

LIBERAL STUDIES

Level 3

MINIMUM LEVEL REQUIRED

ELECTIVE 1

- Biology
- Chemistry
- Combined Science
- Information and Communication Technology
- MIMD
- Physics

Level 3 in ANY elective subject

ELECTIVE 2

- Biology
- Chemistry
- Combined Science
- Information and Communication Technology
- MIMD
- Physics

Level 3 in ANY elective subject

NOTES

1. Unspecified elective subjects may include “other languages” at grade E or above.
2. If students take both M1 and M2, they are counted as one subject only.
3. Applied Learning subjects are not counted as elective subjects.

ENTRANCE REQUIREMENTS

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

LIBRARY OF OTHER UNIVERSITY STUDENTS AS ASSESSMENT

UNIVERSITY OF CHICAGO

Jun, 2018