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 work 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 multicultural 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 technology.

SUMMER EXPERIENCE IN USA

A four-week summer programme offered by the University of New South Wales.

OVERSEAS RESEARCH INTERNSHIPS

A four-week summer programme offered by the University of British Columbia.

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 Stream
- Multimedia Computing Stream
- Information Security Stream
- Data Science Stream
- Computer Programming
- Database Systems
- Operating Systems
- Software Design
- IT Professional Placement
- Final Year Project

CORE SUBJECTS

- Computer Programming
- Database Systems
- 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:

- Hong Kong Exchanges and Clearing
- IBM
- Hutchison Telecommunications (Hong Kong)
- Jardine Matheson
- The Hongkong Electric
- Sun Hung Kai Real Estate Agency
- Hospital Authority
- Octopus Holdings
- JOS Innovative IT Project Awards 2015-2016
- Challenge Cup (Hong Kong Regional Final) 2017
- Jonathan L. Gross Award for Academic Excellence 2017
- Social Innovation (Si) CEO Competition for Tertiary Students 2016
- Second Prize
- JOS Innovative IT Project Awards 2015-2016
- Gold Award

STUDENT AWARDS

Enrollment
- Level 1
- Level 2
- Level 3

AWARDS

- IBM
- Hutchison Telecommunications (Hong Kong)
- JOS Innovative IT Project Awards 2015-2016
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ENTRANCE REQUIREMENTS

For admission to BSc Computer Science (JUPAS Catalogue No.: JS1204), JUPAS HKDSE applicants must meet the following entrance requirements and levels.

MINIMUM LEVEL REQUIRED

ENGLISH LANGUAGE

Level 3

CHINESE LANGUAGE

Level 3

MATHEMATICS

Level 2

LIBERAL STUDIES

Level 3 in ONE elective subject from:
- Biology
- Chemistry
- Combined Science
- Information and Communication Technology
- M1/M2
- Physics

ELECTIVE 1†

Level 3 in ANY elective subjects

ELECTIVE 2†

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

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.

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 pursue further studies have received offers from prestigious universities including Yale University, Brown University, Columbia University, Carnegie Mellon University, Cornell University, the University of Toronto, the University of British Columbia, the University of Michigan, and the University of New South Wales.

List of companies offering placement to our students in recent years:

- HGIE
- SUN
- IBM
- JPMorgan
- The Hongkong Electric
- Sun Hung Kai Real Estate Agency
- Hospital Authority
- Octopus Holdings
- JOS Innovative IT Project Awards 2015-2016
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AWARDS

- IBM
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ENROLLMENT

Level 1

LEVEL

Level 2

LEVEL

Level 3

LEVEL

Level 3