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.

PROGRAMME STRUCTURE

The curriculum includes highly focused core courses and a wide range of electives. 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
- 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:

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

STUDENT AWARDS

1. ACM Programming Contest 2018 Silver Medal
2. hackathon@UST 2018 Champion of Cybersecurity
3. Intel Cup Undergraduate Electronic Design Contest 2018 Second Prize
4. BODH FiTech Hackathon 2018 Second Runner-up
5. PwC Hackaday CTF 2018 Runner-up

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 offered by the University of Missouri to expose students to the latest development in Big Data Analytics.

OVERSEAS RESEARCH INTERNSHIPS

- University of New South Wales
- University of British Columbia
- Carnegie Mellon University
- Brown University
- Columbia University
- University of Toronto
- University of British Columbia
- The University of New South Wales

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, the University of Toronto, the University of British Columbia, the University of Michigan, and the University of New South Wales.

ENTRANCE REQUIREMENTS

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

MINIMUM LEVEL REQUIRED

<table>
<thead>
<tr>
<th>ENGLISH LANGUAGE</th>
<th>CHINESE LANGUAGE</th>
<th>MATHEMATICS</th>
<th>LIBERAL STUDIES</th>
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<tbody>
<tr>
<td>Level 3</td>
<td>Level 3</td>
<td>Level 3</td>
<td>Level 2</td>
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</table>

ELECTIVE 1

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

ELECTIVE 2

- Level 3 in ONE elective subject from:
- Level 3 in ANY elective subjects

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.

May 2018