Career Prospects

Our graduates work as IT professionals in different sectors of the society, say banking & finance, the government, education, IT & telecommunication, etc. Many of them are now working in leading international companies and even work abroad with big names, such as Apple and Google. Some graduates started their own business and be an entrepreneur. Alternatively, they can pursue a master or doctoral degree in HK or overseas. Our graduates are welcome by institutions worldwide.

Computer Science graduates are very employable, not just for IT jobs but for other analytical roles too. The problem solving skills and analytical abilities that our graduates developed during their undergraduate study proved to be very valuable in many areas of endeavour.

2016 Employment Survey

- Basic Salary of HKU CS Graduates
- Number of Full-Time Job Offers

<table>
<thead>
<tr>
<th>Positions</th>
<th>IT-related</th>
<th>Others</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015</td>
<td>65%</td>
<td>35%</td>
</tr>
<tr>
<td>2016</td>
<td>70%</td>
<td>30%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Companies</th>
<th>2015</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>IT/tech/Engg</td>
<td>46%</td>
<td>53%</td>
</tr>
<tr>
<td>Finance/Business</td>
<td>42%</td>
<td>30%</td>
</tr>
<tr>
<td>Others</td>
<td>12%</td>
<td>17%</td>
</tr>
</tbody>
</table>

Internship Opportunity

The BEng (CompSc) programme requires students to undertake at least 4 weeks of industrial training in the summer after their third year of study for gaining some real-world working experience in the industry. This period of training brings many benefits. For example, relevant working experience gives students a distinct advantage when they look for graduate employment. Employers often invite their interns to continue working beyond the summer as part-time staff. In many cases, this leads to the offer of a full-time position upon graduation.

Below are some of the companies or organizations in which our students worked as interns:

- AIA
- Alcatel-Lucent
- Alibaba Group
- Baidu.com
- Bank of America
- BEA
- BNP Paribas
- China UnionPay
- Cloudjet
- CLP
- Credit Suisse
- DBS
- ESRI
- Facebook
- Fujitsu
- Google
- Goldman Sachs
- HKO
- HSBC
- Huawei
- IBM
- JP Morgan
- KPMG
- Microsoft
- Morgan Stanley
- MTR
- Nike Inc
- OOCL
- PEA Global Consulting
- PCCW
- Thomson Reuters
- UBS
- Morgan Stanley

Enquiries

General enquiries:
Tel: (+852) 2859 2160
Fax: (+852) 2559 9447
Email: info@cs.hku.hk
Website: http://www.cs.hku.hk

Department of Computer Science
Room 301, Chow Yat Ching Bldg,
The University of Hong Kong,
Pokfulam Road, Hong Kong.

Enquiries on admission:
Dr. H.Y. Ting
Admission Tutor
Tel: (+852) 2859 9444
Email: hting@cs.hku.hk

Dr. Anthony Tan
Academic Advisor
Tel: (+852) 2859 7073
Email: attan@cs.hku.hk

THE UNIVERSITY OF HONG KONG
DEPARTMENT OF COMPUTER SCIENCE
BEng(CompSc)

Programme Structure
To obtain the BEng(CompSc) degree, you need to pass at least 240 credits of courses in the following categories:

<table>
<thead>
<tr>
<th>Component</th>
<th>Types</th>
<th>No. of Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>University Requirements</td>
<td>University Common Core courses</td>
<td>6</td>
<td>36</td>
</tr>
<tr>
<td></td>
<td>English courses</td>
<td>2</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Chinese course</td>
<td>1</td>
<td>6</td>
</tr>
<tr>
<td>Specialization - Computer Science</td>
<td>General Engineering courses</td>
<td>7</td>
<td>42</td>
</tr>
<tr>
<td></td>
<td>CS Introductory courses</td>
<td>4</td>
<td>24</td>
</tr>
<tr>
<td></td>
<td>CS Advanced courses</td>
<td>6</td>
<td>38</td>
</tr>
<tr>
<td></td>
<td>CS Elective courses</td>
<td>5</td>
<td>30</td>
</tr>
<tr>
<td></td>
<td>Capstone Experience</td>
<td>1</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Experiential Learning</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Electives</td>
<td>Effective courses</td>
<td>7</td>
<td>42</td>
</tr>
</tbody>
</table>

To prepare students with necessary background to pursue any of the majors in the engineering programme, including mathematics, physics, computer programming, and introductory engineering course.

Introduction to Data Structures and Algorithms
Computer Organization
Discrete Mathematics
Object-oriented programming and Java
Introduction to Software Engineering
Legal Aspects of Computing

Final Year Project
Internship

- Flexibility – Students can select electives from a wide variety of courses and use them as credits for a second major, a minor, double minors or the double-degree programme.
- Accreditation – The programme is accredited by the Hong Kong Institution of Engineers (HKIE).
- Internship – Students normally spend eight to twelve weeks of paid work experience and professional development in the industry during the summer after the third year, or they can join the Integrated Study-Work programme to get one-year work experience.
- Final year project – Students may choose amongst research-based projects, software development projects, and industry-based projects as their Capstone Experience.
- Go on exchange – Students may join the Exchange Programme to study in a foreign university for one semester or one year.
- Research opportunity – Outstanding students are having the opportunities to undertake research under the University Research Fellowship Programme.

Options
- Minor(s) or Second Major
  Students may opt for a minor or double minors or a 2nd major in another discipline such as Finance, Mathematics, Physics, Psychology, or Risk Management. The requirement for obtaining a minor is to complete 6 to 8 courses of the corresponding discipline; and for 2nd major, it’s 12 to 16 courses. However, students may not be allowed to take a 2nd major which requires more than 90 credits as he/she may not be able to complete the BEng(CompSc) programme in 4 years.
- Double-Degree BEng/BBA
  Students may opt for the double-degree programme by taking a BEng degree in the first four years of study with some required business courses, and a BBA degree in the fifth year which is run on a self-financed basis.

Admission Requirements
Students seeking admission to the BEng(CompSc) programme have to apply for entry under the Faculty of Engineering Common Admissions Scheme, which allows applicants to use one single code, J96983, to apply for 9 BEng programmes.

A quota of 140+ will be imposed for BEng programmes offered by each department of the Faculty of Engineering. Students can choose their desired study programme after their first year of study, on the basis of academic performance.

JUPAS Applicants
In addition to the University general entrance requirements, applicants with HKOGE qualification are required to fulfill the following programme entrance requirements:

- English Language: Level 3
- Chinese Language: Level 3
- Mathematics: Level 3
- Liberal Studies: Level 2
- Two Elective Subjects: One of the electives must be Physics or Combined Science with Physics components
- Mathematics (Extended Module 1 or Module 2): Level 3 (Preferred but not required)

HKU general entrance requirements: [http://www.aal.hku.hk/admissions/]

Non-JUPAS Applicants
Applicants with other qualifications, such as HKALE, GCSE, IBD, Associate Degree and Higher Diploma, and Mainland students will be considered on individual merit basis. More details are available at HKU Admissions website: [http://www.aal.hku.hk/admissions/]