**Bachelor of Engineering (Computer Science)**

**What is Computer Science?**

Computer science is not just about programming and studying the computers, but rather it is about **problem solving** – the study of algorithms and information representation to make productive use of computing technologies.

**What can you do with Computer Science knowledge?**

- Develop an algorithm that can beat the human mind in a chess game
- Develop a new application that fights against crimes
- Write a search engine that is as influential as that of Google
- Write a program that can pick the best stocks or catch trading opportunities in the market
- Write a computer game that brings fun to the players
- **Change the world**

**Who choose Computer Science?**

Someone with these qualities......

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**2011 Employment Survey**

**Basic Salary of HKUCS Graduates**

<table>
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<th>Min.</th>
<th>Median</th>
<th>Mean</th>
<th>Max.</th>
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<tbody>
<tr>
<td>$8,000</td>
<td>$13,000</td>
<td>$15,592</td>
<td>$40,000</td>
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**Employment Sector**

- Commerce & Industry: 83%
- Further Studies: 11%
- Educational Institutions: 5%
- Civil Service: 1%
Programme Objective
This programme offers you a solid education in the fundamental and essential areas of computing. On completion of this curriculum, you will be well-equipped with both basic and advanced knowledge in computer science to start your career in the IT industry and/or to pursue postgraduate studies in this area.

Programme Structure
To obtain the BEng(CompSc) degree, you need to pass at least 240 credits of courses in the following categories:
(a) 54 credits of UG5 compulsory courses;
(b) 144 credits in the professional core such as Faculty common core courses, CS core courses, CS elective courses, Internship, and Final year project; and
(c) 42 credits of elective courses, which can be selected from any discipline.

Programme Flexibility
The design of the curriculum stresses flexibility. You can select your electives from a wide variety of courses and use them as credits for a second major, a minor or the double-degree programme.

Career Prospects
You can work as IT professionals in different sectors of the society, say banking & finance, building & construction, the government, education, IT & telecommunication, property, and manufacturing, etc. Many of our graduates are now working in leading international companies and the HKSAR Government. Some of them even work abroad with big names in the IT industry. Alternatively, you can pursue a master or doctoral degree in HK or overseas. Our graduates are welcome by institutions worldwide.

Resources for Advice and Support
On-line information:
(a) CS department website - http://www.cs.hku.hk/
(b) CS course descriptions - http://www.cs.hku.hk/programme/beng-cs/course-description.jsp
(c) Academic Advising - http://www.cs.hku.hk/programme/beng-cs/advising/2012-13/studyplan.jsp

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