

香港大學計算機科學系



THE UNIVERSITY OF HONG KONG
DEPARTMENT OF
COMPUTER SCIENCE

Computer science is a young but fast growing discipline. Its importance is evident in the profound impact that the use of computers has on our lives. Computer science education is now as indispensable as any of the traditional programmes in any established university.

The Department of Computer Science at The University of Hong Kong is committed to high-quality education and training of computing professionals at both the undergraduate and postgraduate level. The Department is active in research and development in a variety of areas including theoretical computing, bioinformatics, parallel systems, grid and cluster computing, computer networking, databases, data mining, e-commerce, computer graphics and computer vision, software engineering, information security and computer forensic. Some of our research results have been applied to the development of real software and systems.

BACHELOR OF ENGINEERING (COMPUTER SCIENCE)

What is Computer Science?

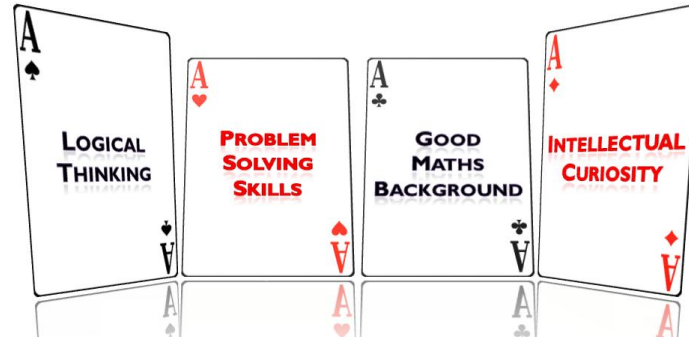
Computer science is not just about programming and studying the computers, but rather it is about **problem solving** – the study of algorithms and information representation to make productive use of computing technologies.

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**

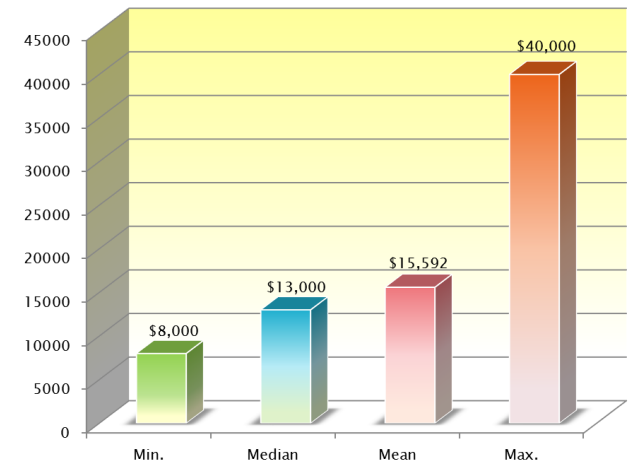
Who choose Computer Science?

Someone with these qualities.....

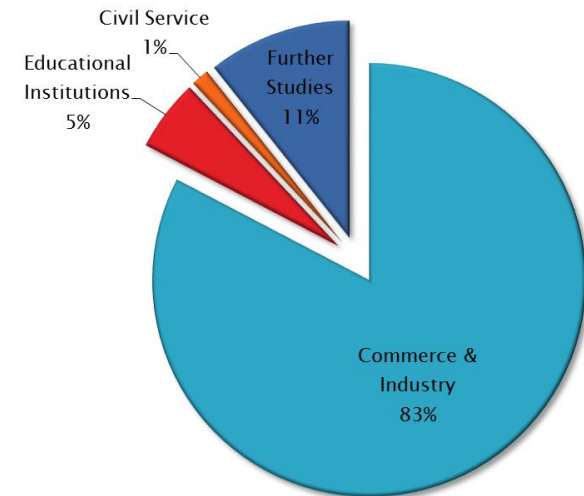


2011 Employment Survey

Basic Salary of HKUCS Graduates



Employment Sector



BENG (COMPSC)

(4-YEAR CURRICULUM)

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:

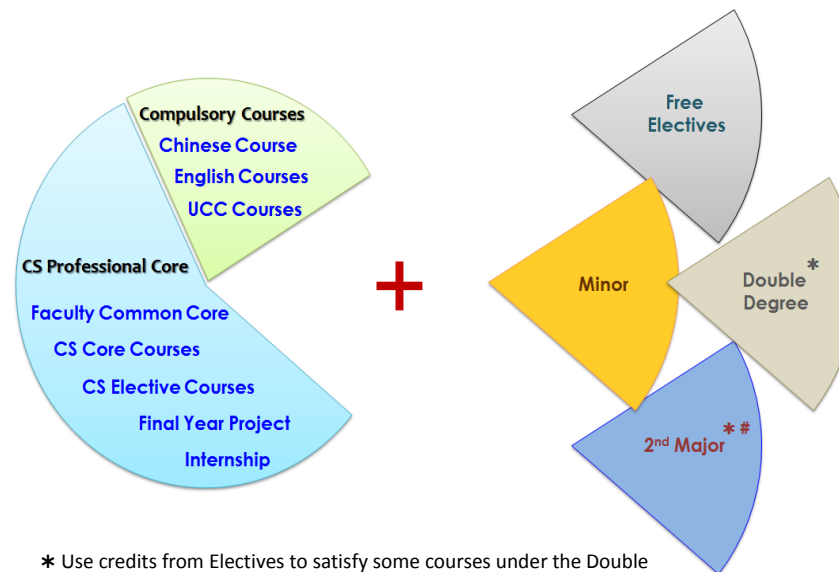
- (a) 54 credits of UG5 compulsory courses;
- (b) 144 credits in the professional core such as Faculty common core courses, CS core courses, CS elective courses, Internship, and Final year project; and
- (c) 42 credits of elective courses, which can be selected from any discipline.

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.



* Use credits from Electives to satisfy some courses under the Double Degree or Second Major programme.

Depending on the structure of the 2nd Major programme and the distribution of students' workload, students may take more than 4 years to finish two majors.

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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