

香港大學計算機科學系



THE UNIVERSITY OF HONG KONG

DEPARTMENT OF
COMPUTER SCIENCE



BEng in Computer Science





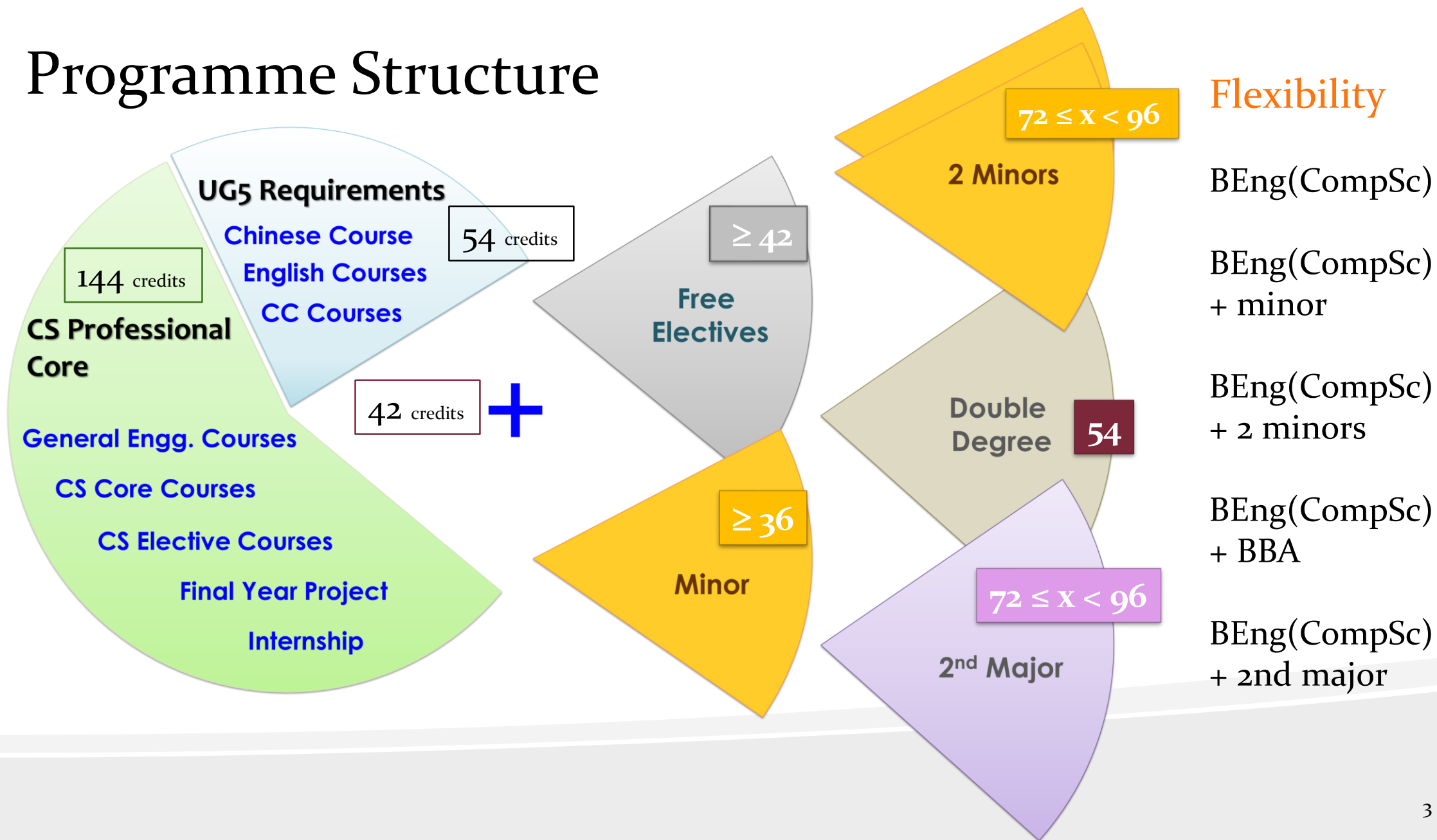
What is Computer Science?

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 solve real-life problems.*

“Almost every major challenge facing our world is turning to computing for a solution, from conquering disease to eliminating hunger, from improving education to protecting the environment.” by Prof. Eric Roberts of Stanford University, the co-Chair of ACM’s Education Board at 2007



Programme Structure





Minors & 2nd majors

Minor

- Any minor **except**
 - Minor in CS

2nd Major

- Any major **except**
 - Major in CS
 - Major in Computing & Data Analytics
 - Major with a total loading of 96 credits
 - E.g., Science Majors

Check this out: Academic Advising Office (<http://aao.hku.hk/>)



Sample Study Plans

- BEng(CompSc)
- BEng(CompSc) with Minor in Finance
- BEng(CompSc) with Minor in Information Systems
- BEng(CompSc) with Minor in Mathematics
- BEng(CompSc) with Minor in Risk Management
- BEng(CompSc) with Minor in Computational & Financial Mathematics
- BEng(CompSc) with Minor in Japanese Language
- BEng(CompSc) with Major in Finance
- BEng(CompSc) with 2nd Major in Information Systems

The samples serve as illustrative purpose. Beware of the pre-requisite and time-tabling issues. Students who opt for a 2nd Major or Minor are responsible for planning for their own course of studies.

Final Year Projects

- Research and development projects
- Industrial / community based projects

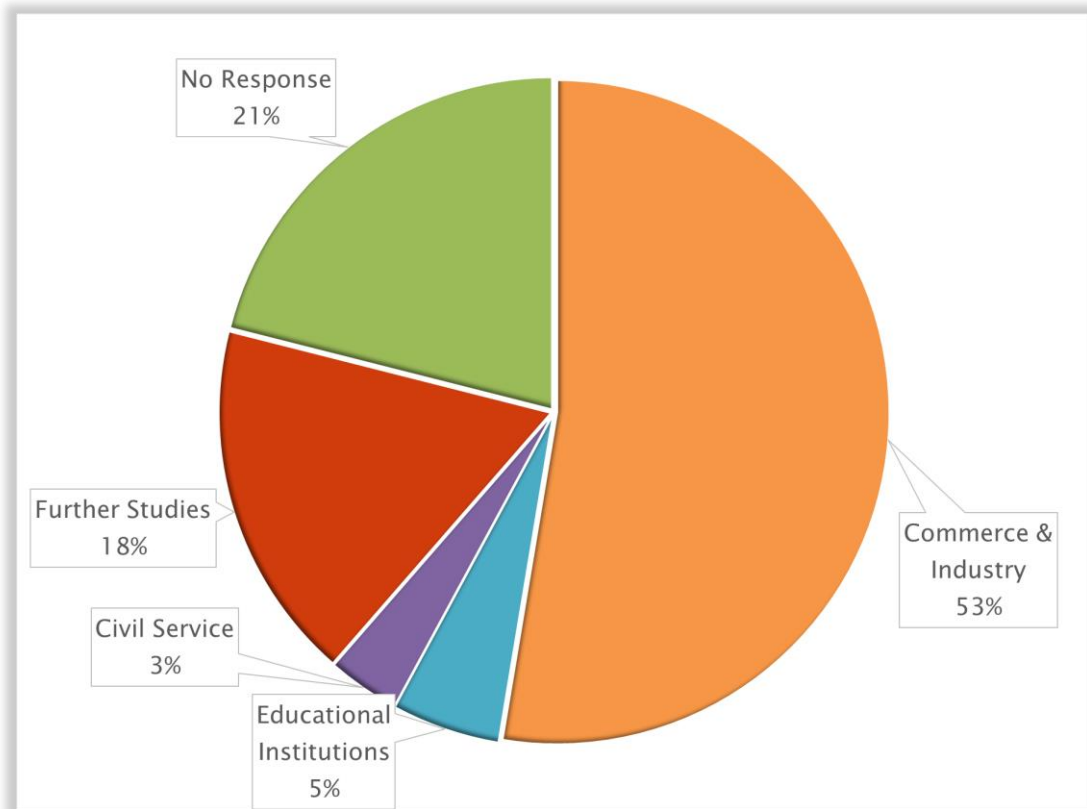


Internship

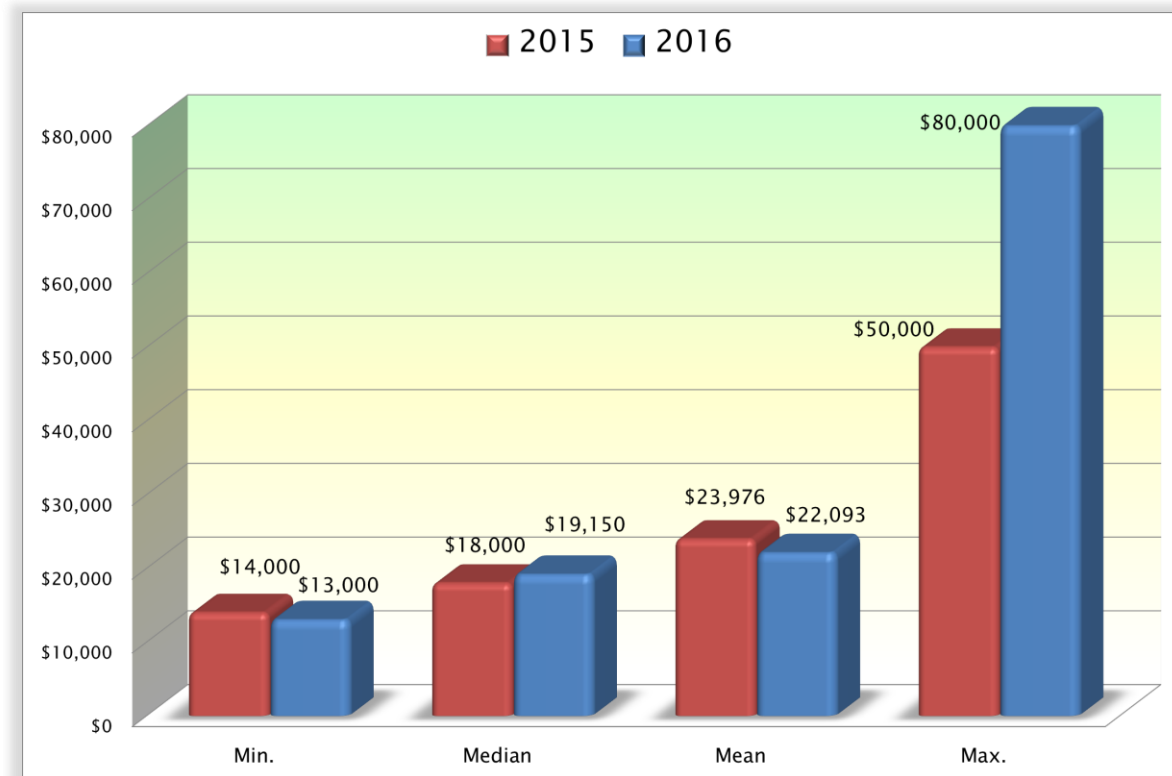




Career – 2016 Graduate Statistics



Where did our 2016 graduates go?



Basic Salary of HKUCS Graduates



Career – Graduate Statistics

Positions

	IT-related positions	Others
2016	94%	6%
2015	85%	15%
Examples	Business/System/Technical/Technology Analyst Consultant/Application Consultant IT Officer/Specialist/Technician Programmer/Developer/Software Engineer IT Engineer/Assistant System Engineer Android/Game/Mobile App Developer Research Assistant Web Developer	Graduate Trainee Program Coordinator Exempt Non-Officer



Career – Graduate Statistics

Companies

	IT/Tech/Engg	Finance/Banking	Others
2016	53 ⁰ %	30 ⁰ %	17 ⁰ %
2015	46 ⁰ %	42 ⁰ %	12 ⁰ %
Examples	Accenture Alibaba Group ASM Pacific Technology China Mobile Hutchison Asia Telecom IBM China/Hong Kong Jardine OneSolution NetEase, Inc. PCCW Solutions Sensetime HK Transaction Technologies Works Applications	Bank of America Bank of Tokyo BNP Paribas CASH Financial Services Credit Suisse Group AG Deloitte Touche Tohmatsu Deutsche Bank AG Goldman Sachs (Asia) LLC JPMorgan Chase & Co. KPMG Manulife Financial Société Générale UBS AG	Family Learning Association Shopping Plus Limited OGCIO HKU



Career

- Major Career Paths
 - Designing and Implementing Software – Software Industry
 - Software Engineering
 - Software Quality Assurance
 - Project Management
 - Multimedia Content
 - Database Administration
 - Planning & managing organization technology infrastructure
 - IT Architecture
 - Service Management and Operation
 - Information Security
 - Further Study – Research



Career – Useful References

- ACM Computing Careers Website
 - <http://computingcareers.acm.org/>
- Target Jobs – IT and Technology
 - Specialisms:
 - <https://targetjobs.co.uk/career-sectors/it-and-technology/advice/specialisms>
 - Ten typical jobs graduates can do in IT:
 - <https://targetjobs.co.uk/career-sectors/it-and-technology/advice/286189-ten-typical-jobs-graduates-can-do-in-it>

Further information

- Academic Advisor of Computer Science department: Dr. Anthony Tam (atctam@cs.hku.hk).
- Computer Science program: <http://www.cs.hku.hk/programme/>
- To download this briefing note and study plans:
<http://www.cs.hku.hk/programme/beng-cs/advising/advising.jsp>
- Or access this web page via the QR code

