

香港大學計算機科學系



THE UNIVERSITY OF HONG KONG

DEPARTMENT OF
COMPUTER SCIENCE



BEng in Computer Science





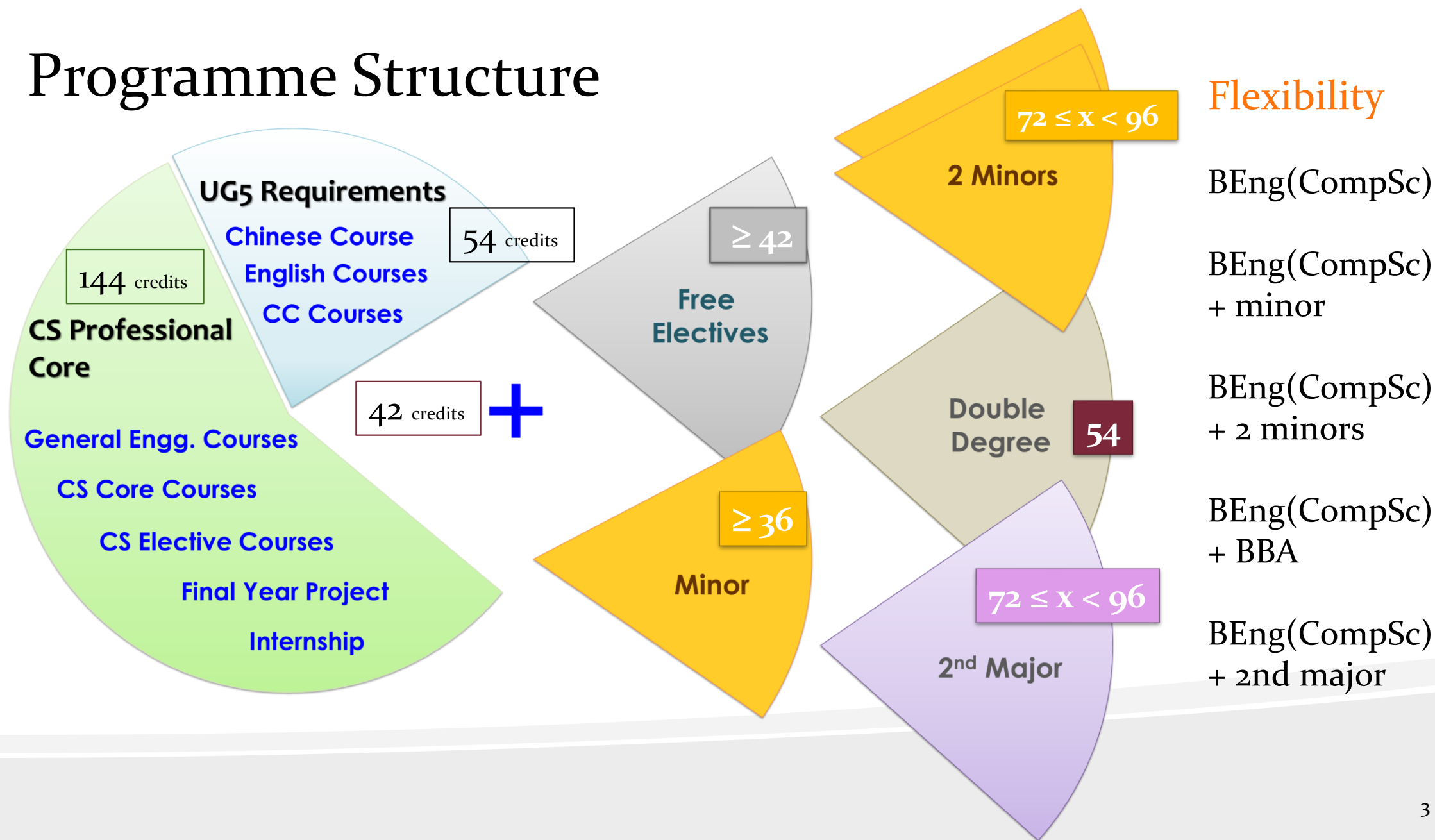
What is Computer Science?

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/>)



Computer Science Focus Areas

Algorithms & Theory

AI & Robotics

Big Data & Data Mining

Computer Security

Computer Systems Development

Financial Technologies

Mobile & Web App Development

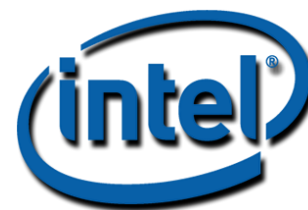
Software Engineering

Final Year Projects

- Research and development projects
- Industrial / community based projects

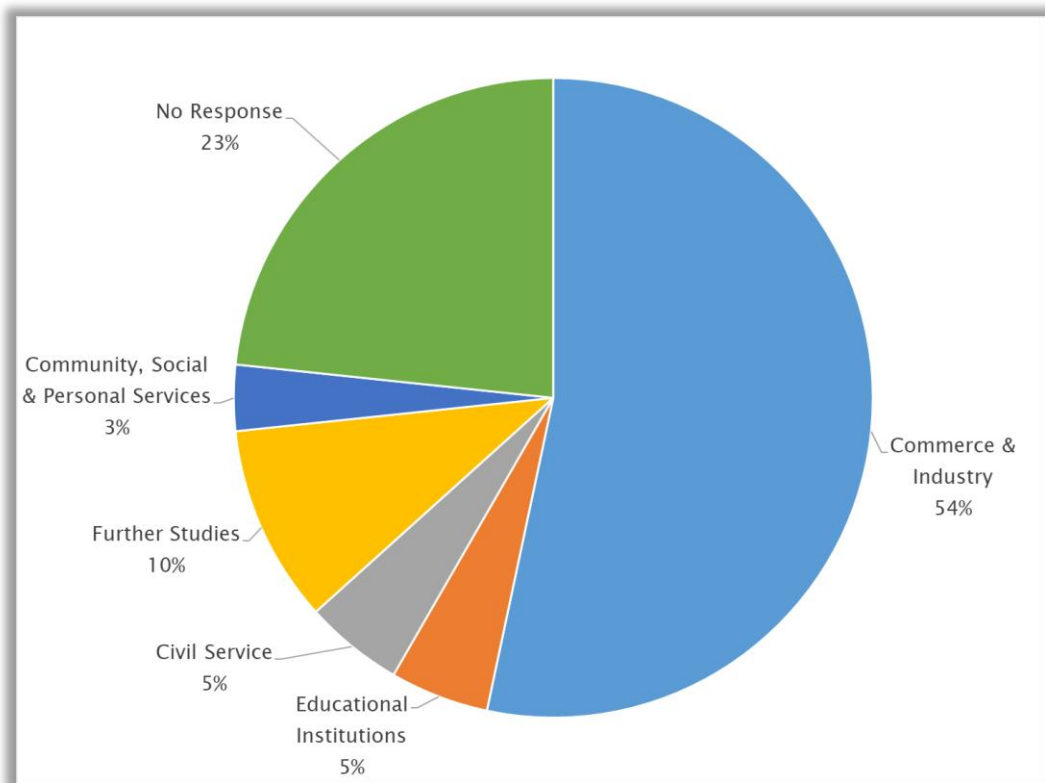


Internship

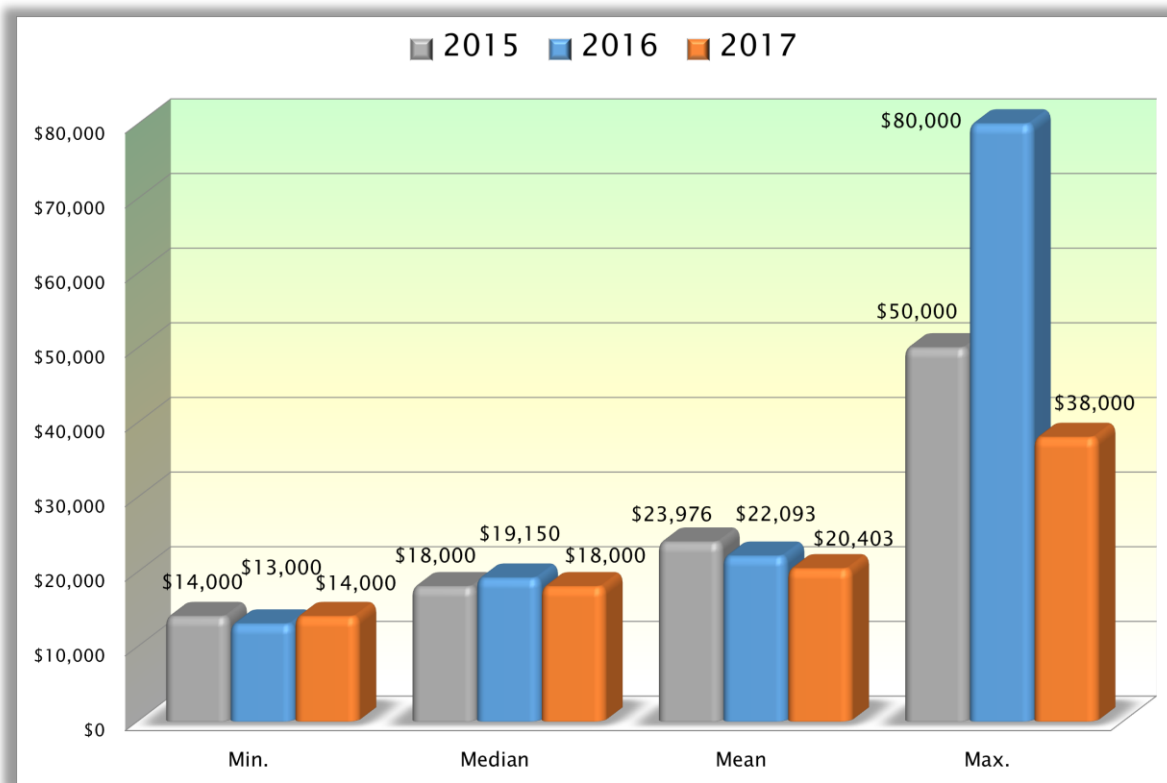




Career – 2017 Graduate Statistics



Where did our 2017 graduates go?



Basic Salary of HKUCS Graduates



Career – Graduate Statistics

Positions

	IT-related positions	Others
2017	100%	
2016	94%	6%
Examples	Business/System/Technical/Technology Analyst Consultant/Application Consultant IT Officer/Specialist/Technician Programmer/Developer/Software Engineer IT/Cloud/System Engineer Android/Game/Mobile App Developer Research Assistant Web Developer Quantitative Researcher	Graduate Trainee Program Coordinator Exempt Non-Officer



Career – Graduate Statistics

Companies

	IT/Tech/Engg	Finance/Banking	Others
2017	61%	13%	16%
2016	53%	30%	17%
Examples	Accenture Alibaba ASM Pacific Technology Ltd ASTRI China Mobile Huawei HACTL IBM China/Hong Kong Intel Jardine OneSolution NetEase, Inc. PCCW Solutions Transaction Technologies	Bank of America Merrill Lynch BNP Paribas Credit Suisse Group AG Deloitte Touche Tohmatsu Goldman Sachs (Asia) LLC KPMG Manulife Financial Morgan Stanley UBS AG	HK Education City Ltd Joyce Boutique Holdings Ltd TAL Apparel Ltd OGCIO HKU



Career – Useful References

- ACM Careers in Computing 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

