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.

“As 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

- **UG5 Requirements**
  - Chinese Course
  - English Courses
  - CC Courses
  - 54 credits

- **CS Professional Core**
  - Chinese Course
  - English Courses
  - CC Courses
  - 54 credits
  - 144 credits

- **General Engg. Courses**
  - 42 credits

- **CS Core Courses**
  - 2 Minors
  - 54 credits

- **CS Elective Courses**
  - Double Degree
  - 54 credits

- **Final Year Project**
- **Internship**

- **Free Electives**
  - 42 credits

- **Minor**
  - 36 credits

- **2nd Major**
  - 72 ≤ x < 96

**Flexibility**

- BEng(CompSc) + minor
- BEng(CompSc) + 2 minors
- BEng(CompSc) + BBA
- BEng(CompSc) + 2nd major
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://aaoc.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

<table>
<thead>
<tr>
<th>Positions</th>
<th>IT-related positions</th>
<th>Others</th>
</tr>
</thead>
<tbody>
<tr>
<td>2017</td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td>2016</td>
<td>94%</td>
<td>6%</td>
</tr>
<tr>
<td>Examples</td>
<td>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</td>
<td>Graduate Trainee Program Coordinator Exempt Non-Officer</td>
</tr>
</tbody>
</table>
## Career – Graduate Statistics

<table>
<thead>
<tr>
<th></th>
<th>IT/Tech/Engg</th>
<th>Finance/Banking</th>
<th>Others</th>
</tr>
</thead>
<tbody>
<tr>
<td>2017</td>
<td>61%</td>
<td>13%</td>
<td>16%</td>
</tr>
<tr>
<td>2016</td>
<td>53%</td>
<td>30%</td>
<td>17%</td>
</tr>
</tbody>
</table>

### Examples

<table>
<thead>
<tr>
<th>IT/Tech/Engg</th>
<th>Finance/Banking</th>
<th>Others</th>
</tr>
</thead>
</table>

- 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