# Sample Study Schedule under Advanced Standing I

**For students with recognised Advanced Level Examinations or equivalent qualifications**

## 2014-2015 (2nd Year)

<table>
<thead>
<tr>
<th>Semester A</th>
<th>Units</th>
<th>Semester B</th>
<th>Units</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS2115 Computer Organization</td>
<td>3</td>
<td>CS2312 Problem Solving and Programming</td>
<td>3</td>
<td>6</td>
</tr>
<tr>
<td>CS2204 Fundamentals of Internet Applications Development</td>
<td>3</td>
<td>CS3103 Operating Systems</td>
<td>3</td>
<td>6</td>
</tr>
<tr>
<td>CS2310 Computer Programming</td>
<td>3</td>
<td>CS3334 Data Structures</td>
<td>3</td>
<td>6</td>
</tr>
<tr>
<td>CS3201 Computer Networks</td>
<td>3</td>
<td>CS3342 Software Design</td>
<td>3</td>
<td>6</td>
</tr>
<tr>
<td>MA2185 Discrete Mathematics</td>
<td>3</td>
<td>CS3402 Database Systems</td>
<td>3</td>
<td>6</td>
</tr>
<tr>
<td>GE2410 English for Engineering - GE (1)</td>
<td>3</td>
<td>GE1401 University English – GE (2)</td>
<td>3</td>
<td>6</td>
</tr>
<tr>
<td><strong>Summer Term 2015 (3rd Year)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CS-E</td>
<td>CS Elective (1)</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GE-3</td>
<td>Gateway Education – GE (3)</td>
<td>3</td>
<td></td>
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</tr>
<tr>
<td><strong>Total Credit Units:</strong> 18</td>
<td></td>
<td></td>
<td>36</td>
<td></td>
</tr>
</tbody>
</table>

## 2015-2016 (3rd Year)

<table>
<thead>
<tr>
<th>Semester A</th>
<th>Units</th>
<th>Semester B</th>
<th>Units</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS2611 Seminars on Contemporary Technology I</td>
<td>0</td>
<td>CS2611 Seminars on Contemporary Technology I</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>CS3503 IT Professional Placement</td>
<td>3</td>
<td>CS3503 IT Professional Placement</td>
<td>6*</td>
<td>9</td>
</tr>
<tr>
<td>CS3443 Software Engineering Practice</td>
<td>3</td>
<td>CS-E CS3443 Software Engineering Practice</td>
<td>3</td>
<td>6</td>
</tr>
<tr>
<td>SS3904 Science, Technology &amp; Society for Computing</td>
<td>3</td>
<td>CS-E CS3443 Software Engineering Practice</td>
<td>3</td>
<td>6</td>
</tr>
<tr>
<td>CSpC College Specified Courses – GE (4)*</td>
<td>3</td>
<td>GE2326 Probability in Action: From the Unfinished Game to the Modern World - GE (5)</td>
<td>3</td>
<td>6</td>
</tr>
<tr>
<td>Free Elective / Minor (optional)</td>
<td>0 – 3</td>
<td>Free Elective / Minor (optional)</td>
<td>0 – 3</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credit Units:</strong> 12/15</td>
<td></td>
<td></td>
<td>18/19</td>
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</tr>
</tbody>
</table>

## 2016-2017 (4th Year)

<table>
<thead>
<tr>
<th>Semester A</th>
<th>Units</th>
<th>Semester B</th>
<th>Units</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS3612 Seminars on Contemporary Technology II</td>
<td>0</td>
<td>CS3612 Seminars on Contemporary Technology II</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>CS4514 Project</td>
<td>3</td>
<td>CS4514 Project</td>
<td>6*</td>
<td>9</td>
</tr>
<tr>
<td>CS4335 Design &amp; Analysis of Algorithms</td>
<td>3</td>
<td>CS-E CS4335 Design &amp; Analysis of Algorithms</td>
<td>3</td>
<td>6</td>
</tr>
<tr>
<td>CS-E CS4335 Design &amp; Analysis of Algorithms</td>
<td>3</td>
<td>GE-7 Gateway Education – GE (7)</td>
<td>3</td>
<td>6</td>
</tr>
<tr>
<td>GE-6 Gateway Education – GE (6)</td>
<td>3</td>
<td>Free Elective / Minor (optional)</td>
<td>0 – 3</td>
<td>3</td>
</tr>
<tr>
<td>Free Elective / Minor (optional)</td>
<td>0 – 6</td>
<td>Free Elective / Minor (optional)</td>
<td>0 – 6</td>
<td>6</td>
</tr>
<tr>
<td><strong>Total Credit Units:</strong> 12/18</td>
<td></td>
<td></td>
<td>13/16</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Units: 95 – 110# (# Assume a student takes a major and a minor)

**Electives:** (minimum 15 credit units from these electives)

### Information Security Stream – Stream Core:
- CS4286 Internet Security and E-Commerce Protocols
- CS4293 Topics on Computer Security
- CS3394 Information Security and Management

### Multimedia Computing Stream – Stream Core:
- CS3483 Multimedia Technologies and Applications
- CS3483 Multimedia Computing Interfaces Design
- CS1812 Computer Graphics
- CS1818 Multimedia Technologies and Applications

### Software Engineering and Project Management Stream - Core:
- CS41813 Advanced Operating Systems
- CS41813 Advanced Operating Systems
- CS41813 Advanced Operating Systems
- CS41813 Advanced Operating Systems

### Stream - Core:
- CS41816 Computer Vision & Image Processing
- CS41816 Computer Vision & Image Processing
- CS41816 Computer Vision & Image Processing
- CS41816 Computer Vision & Image Processing

### Data Science Stream – Stream Core:
- CS4288 Cryptographic Algorithms and Protocols
- CS4288 Cryptographic Algorithms and Protocols
- CS4288 Cryptographic Algorithms and Protocols
- CS4288 Cryptographic Algorithms and Protocols

### Other Electives:
- CS3183 Performance Evaluation
- CS3183 Performance Evaluation
- CS3183 Performance Evaluation
- CS3183 Performance Evaluation

### Electives:
- CS4265 Mobile Application Programming
- CS4265 Mobile Application Programming
- CS4265 Mobile Application Programming
- CS4265 Mobile Application Programming

- CS4297 Cloud Robotics and Automation
- CS4297 Cloud Robotics and Automation
- CS4297 Cloud Robotics and Automation
- CS4297 Cloud Robotics and Automation

- CS4387 Computer Games Design
- CS4387 Computer Games Design
- CS4387 Computer Games Design
- CS4387 Computer Games Design

- CS4381 Advanced Software Design
- CS4381 Advanced Software Design
- CS4381 Advanced Software Design
- CS4381 Advanced Software Design

- CS4385 Topics in Software Engineering
- CS4385 Topics in Software Engineering
- CS4385 Topics in Software Engineering
- CS4385 Topics in Software Engineering

- CS4386 AI Game Programming
- CS4386 AI Game Programming
- CS4386 AI Game Programming
- CS4386 AI Game Programming

- CS4392 Artificial Intelligence and Art
- CS4392 Artificial Intelligence and Art
- CS4392 Artificial Intelligence and Art
- CS4392 Artificial Intelligence and Art

- CS4482 Advanced Database Systems
- CS4482 Advanced Database Systems
- CS4482 Advanced Database Systems
- CS4482 Advanced Database Systems

- CS4485 Information Retrieval
- CS4485 Information Retrieval
- CS4485 Information Retrieval
- CS4485 Information Retrieval

- CS4486 Intelligent Systems
- CS4486 Intelligent Systems
- CS4486 Intelligent Systems
- CS4486 Intelligent Systems

- CS4532 Guided Study
- CS4532 Guided Study
- CS4532 Guided Study
- CS4532 Guided Study

- IS4500 Information Systems Project Management
- IS4500 Information Systems Project Management
- IS4500 Information Systems Project Management
- IS4500 Information Systems Project Management

- MA2172 Applied Statistics for Sciences and Engineering
- MA2172 Applied Statistics for Sciences and Engineering
- MA2172 Applied Statistics for Sciences and Engineering
- MA2172 Applied Statistics for Sciences and Engineering
Remarks:

1. Partial credit units for year-long courses, granted only if completing the whole course.

2. GE = Gateway Education Requirements. Total 21 credit units including:
   - 6 credit units in English (GE1401 & GE2410)
   - 3 credit units in Chinese Civilization (GE1501)
   - 6 credit units in distributional requirements from the three areas: 'Arts and Humanities', 'Study of Societies, Social and Business Organisations' and 'Science and Technology'
   - 6 credit units in College Specified Courses (CSpC) including GE2326 "Probability in Action: From the Unfinished Game to the Modern World" and 3 credit units from a pool of College Specified Courses.

^College Specified Courses (choose any one from the following list)
GE2313 Global IT Case Studies
GE2315 Security and Privacy in the Information Age
GE2323 Mobile Social Networks: Practices, Challenges, and Beyond
GE2324 The Art and Science of Data
CB2100 Introduction to Financial Accounting
CB2300 Management
CB2500 Information Management
CB2601 Marketing

Notes:

1. English Language Requirement

   To fulfil the University's English Language Requirement, students should complete the two Gateway Education (GE) English courses (GE1401 & GE2410). Students cannot proceed to take the above GE English courses (GE1401 & GE2410) until completion of the requirements mentioned below:

   - Students scoring below Level 4 in HKDSE English Language OR below Grade D in HKALE AS-level Use of English: Need to take ~EL0200 (6 credit units).

   - For students who do not have Hong Kong public examinations results as specified above, the English Learning Centre (ELC) will invite them to sit for an English Placement Test to determine whether they need to take the course EL0200. Students may, instead of taking the Test, provide an alternative English proficiency qualification (e.g. TOFEL or IELTS) for consideration by the ELC. A waiver from taking the EL0200 may be granted for students who have achieved the required English proficiency.

~EL0200 ‘English for Academic Purposes’:
Assessment: Standard grading (A+….F);
It will NOT count towards the minimum credit requirement for graduation and will NOT be included in the calculation of CGPA. However, they will be counted towards the maximum credit units permitted.

2. Chinese Language Requirement

<table>
<thead>
<tr>
<th>(i)</th>
<th>Students scoring below Level 4 in HKDSE Chinese Language, or below Grade D in HKALE AS-level Chinese Language and Culture</th>
<th>3-credit unit Chinese course (CHIN1001)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>(ii)</td>
<td>Students scoring Level 4 or above in HKDSE Chinese Language, or Grade D or above in HKALE AS-level Chinese Language and Culture</td>
<td>No requirement</td>
</tr>
<tr>
<td>(iii)</td>
<td>Students whose qualifications do not fall within (i) and (ii) above</td>
<td>No requirement</td>
</tr>
</tbody>
</table>

*The 3 credit units of the Chinese course will NOT be counted towards the minimum credit units required for graduation and will NOT be included in the calculation of CGPA. However, they will be counted towards the maximum credit units permitted.

Updated on 23 June 2016