Sample Study Schedule under Advanced Standing I
(For students holding an Associate Degree/Higher Diploma or equivalent qualifications)

Catalogue Term 2018-19

2018-2019 (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>CS2611 Seminars on Contemporary Technology I</td>
<td>0</td>
<td>CS2611</td>
<td>Seminars on Contemporary Technology I</td>
<td>1</td>
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<tr>
<td>CS2115 Computer Organization</td>
<td>3</td>
<td>CS2312</td>
<td>Problem Solving and Programming</td>
<td>3</td>
</tr>
<tr>
<td>CS2004 Fundamentals of Internet Applications Development</td>
<td>3</td>
<td>CS3103</td>
<td>Operating Systems</td>
<td>3</td>
</tr>
<tr>
<td>CS2310 Computer Programming</td>
<td>3</td>
<td>CS3334</td>
<td>Data Structures</td>
<td>3</td>
</tr>
<tr>
<td>CS3201 Computer Networks</td>
<td>3</td>
<td>CS3342</td>
<td>Software Design</td>
<td>3</td>
</tr>
<tr>
<td>MA2185 Discrete Mathematics</td>
<td>3</td>
<td>CS3402</td>
<td>Database Systems</td>
<td>3</td>
</tr>
<tr>
<td>GE2410 English for Engineering - GE (1)</td>
<td>3</td>
<td>GE1401</td>
<td>University English – GE (2)</td>
<td>3</td>
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<tr>
<td></td>
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Summer Term 2019 (3rd Year)

Encourage to participate in Go Global Activities [activities / programmes outside Hong Kong for not less than 4 weeks (28 days)]

<table>
<thead>
<tr>
<th>OR</th>
<th>Units</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>GE3 Gateway Education – GE (3)</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>GE3 Gateway Education – GE (3)</td>
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<td>3</td>
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2019-2020 (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>CS3504 IT Professional Placement</td>
<td>6*</td>
<td>CS3504</td>
<td>IT Professional Placement</td>
<td>6*</td>
</tr>
<tr>
<td>CS3343 Software Engineering Practice</td>
<td>3</td>
<td>SS3904</td>
<td>Science, Technology &amp; Society for Computing</td>
<td>3</td>
</tr>
<tr>
<td>CS4335 Design &amp; Analysis of Algorithms</td>
<td>3</td>
<td>CS-E</td>
<td>CS Elective (1)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>12</td>
<td></td>
<td>CS402 (CSpC)</td>
<td>Introduction to Computational Probability Modelling - GE (4)</td>
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</tbody>
</table>

Summer Term 2020 (4th Year)

Encourage to participate in Go Global Activities [activities / programmes outside Hong Kong for not less than 4 weeks (28 days)]

<table>
<thead>
<tr>
<th>2020-2021 (4th Year)</th>
<th>Units</th>
<th>Semester B</th>
<th>Units</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS4514 Project</td>
<td>3*</td>
<td>CS4514</td>
<td>Project</td>
<td>6*</td>
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<tr>
<td>EN4262 English Communication Skills for Computing</td>
<td>2</td>
<td>CS-E</td>
<td>CS Elective (4)</td>
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<tr>
<td>CS-E</td>
<td>CS Elective (2)</td>
<td>3</td>
<td>GE6</td>
<td>Gateway Education – GE (6)</td>
</tr>
<tr>
<td>CS-E</td>
<td>CS Elective (3)</td>
<td>3</td>
<td>GE7</td>
<td>Gateway Education – GE (7)</td>
</tr>
<tr>
<td>CSpC</td>
<td>College Specified Courses – GE (5)*</td>
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<td></td>
<td></td>
</tr>
<tr>
<td></td>
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</tr>
</tbody>
</table>

Total Credit Units: 96 (minimum graduation requirement)
Maximum Credit Units: 114 (student may take a minor or opt to take more free electives provided that they have not yet reached the maximum credit limit or maximum period of study permitted.)
Electives: (minimum 12 credit units from the following electives)

Students may choose any of the streams by taking 3 courses of the selected stream and any 1 elective course from the list. For those who do not want to focus on a selected stream, they can take any 4 elective courses from the list.

### Artificial Intelligence Stream – Stream Core:
- **CS4486** Artificial Intelligence
- **CS4487** Machine Learning
- **CS4186** Computer Vision & Image Processing
- **CS4386** AI Game Programming

### Data Science Stream – Stream Core:
- **CS3481** Fundamentals of Data Science
- **CS4480** Data-Intensive Computing
- **CS4487** Machine Learning
- **CS4285** High Speed Multimedia Networks

### Information Security Stream – Stream Core:
- **CS4286** Internet Security and E-Commerce Protocols
- **CS4293** Topics on Cybersecurity
- **CS4394** Information Security and Management
- **CS4298** iOS Application Development

### Multimedia Computing Stream – Stream Core:
- **CS3483** Multimodal Interface Design
- **CS4182** Computer Graphics
- **CS4185** Multimedia Technologies and Applications
- **CS4187** Computer Vision for Interactivity

### Software Engineering and Project Management - Stream Core:
- **CS3346** Software Testing and Maintenance
- **CS3356** Managing Software Projects
- **CS4348** Software Quality Management
- **CS4389** Decentralized Applications Development

### Other Electives:
- **CS3185** Computer Architecture
- **CS4486** Artificial Intelligence
- **CS4283** Distributed Systems
- **CS3283** Web Usability Design and Engineering
- **CS3391** Advanced Programming
- **CS4280** Advanced Internet Applications Development
- **CS4284** Mobile Computing
- **CS4285** Pervasive Computing
- **CS4296** Mobile Application Programming
- **CS4297** Cloud Computing
- **CS4298** Cloud Robotics and Automation
- **CS4299** Cloud Computing
- **CS4391** Advanced Software Design
- **CS4385** Topics in Software Engineering
- **CS4482** Advanced Database Systems
- **EE4940** Digital Information Communications
- **IS4501** Information Systems Audit
- **MA2172** Applied Statistics for Sciences and Engineering
- **CS2402** Introduction to Computational Probability Modelling

### Remarks:
1. *Partial credit units for year-long courses, granted only if completing the whole course.
2. **Go Global Activities**
   - Activities / programmes which enable students to broaden their cultural horizons through a comprehensive and unique learning experience, either credit bearing or noncredit bearing, outside Hong Kong for not less than 4 weeks (28 days), e.g. Exchange, Internship, Cultural and Language Immersion Scheme, Service Learning and Study Abroad programme.

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^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
- **GE2338** Internet Applications and Security
- **GE2340** Artificial Intelligence – Past, Present, and Future
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 ~EL0200A & EL0200B (6 credit units).
- Students who demonstrate that they have achieved a grade B or above in their overall course results for EL0200A will achieve 3 credits and also be considered to have satisfied the pre-requisite for entry to the GE English courses without needing to take EL0200B.
- 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 EL0200A & B. 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 EL0200A & B may be granted for students who have achieved the required English proficiency. New admitted students should raise the request to ELC in the first semester. Requests after the first semester will not be considered.

~EL0200A & EL0200B ‘English for Academic Purposes 1 & 2’:

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></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>(i)</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>(ii)</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 2 November 2018