Sample Study Schedule
under Advanced Standing II (Senior-year Entry)
(For Associate Degree/Higher Diploma graduates
admitted to the senior year)

<table>
<thead>
<tr>
<th>GE Requirements (12 credit units) + College / School Requirements All waived (0 credit unit) + Major Requirements (60 credit units)</th>
<th>= Total (72 credit units)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Courses Waived for students admitted with Advanced Standing II

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY1201 / CHEM1300 / CHEM1200</td>
<td>General Physics I / Principles of General Chemistry / Discovery in Biology</td>
<td>3</td>
<td>CS2204</td>
<td>Fundamentals of Internet Applications Development</td>
<td>3</td>
</tr>
<tr>
<td>CS1302</td>
<td>Introduction to Computer Programming</td>
<td>3</td>
<td>CS2310</td>
<td>Computer Programming</td>
<td>3</td>
</tr>
<tr>
<td>JC2066</td>
<td>IT Professionals: Ethical, Legal and Social Issues</td>
<td>3</td>
<td>CS3201</td>
<td>Computer Networks</td>
<td>3</td>
</tr>
<tr>
<td>CS2115</td>
<td>Computer Organization</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Courses Waived: 21 credit units

Catalogue Term 2022-2023

2022-2023 (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</td>
<td>Seminars on Contemporary Technology I</td>
<td>0</td>
<td>CS2611</td>
<td>Seminars on Contemporary Technology I</td>
</tr>
<tr>
<td>CS2312</td>
<td>Problem Solving and Programming</td>
<td>3</td>
<td>CS3334</td>
<td>Data Structures</td>
</tr>
<tr>
<td>CS3103</td>
<td>Operating Systems</td>
<td>3</td>
<td>CS3342</td>
<td>Software Design</td>
</tr>
<tr>
<td>CS-E</td>
<td>CS Elective (1)</td>
<td>3</td>
<td>CS3402</td>
<td>Database Systems</td>
</tr>
<tr>
<td>MA2185</td>
<td>Discrete Mathematics</td>
<td>3</td>
<td>CS-E</td>
<td>CS Elective (2)</td>
</tr>
<tr>
<td>CSpC</td>
<td>College Specified Courses – GE (1) *</td>
<td>3</td>
<td>CS2402</td>
<td>Introduction to Computational Probability Modelling - GE (3)</td>
</tr>
<tr>
<td>GE-2</td>
<td>Gateway Education – GE (2)</td>
<td>3</td>
<td>GE2410</td>
<td>English for Engineering - GE (4)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>18</td>
<td></td>
<td>19</td>
</tr>
</tbody>
</table>

Summer Term 2023 (3rd Year)

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

2023-2024 (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>CS3504</td>
<td>IT Professional Placement</td>
<td>6*</td>
<td>CS3504</td>
<td>IT Professional Placement</td>
</tr>
<tr>
<td>CS4514</td>
<td>Project</td>
<td>3*</td>
<td>CS4514</td>
<td>Project</td>
</tr>
<tr>
<td>CS3343</td>
<td>Software Engineering Practice</td>
<td>3</td>
<td>CS-E</td>
<td>CS Elective (3)</td>
</tr>
<tr>
<td>CS4335</td>
<td>Design &amp; Analysis of Algorithms</td>
<td>3</td>
<td>CS-E</td>
<td>CS Elective (4)</td>
</tr>
<tr>
<td>EN4262</td>
<td>English Communication Skills for Computing</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>17</td>
<td></td>
<td>18</td>
</tr>
</tbody>
</table>

Total Credit Units: 72 (minimum graduation requirement)
Maximum Credit Units: 84 (student may 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

Choose one out of the following two courses:
- CS4186% Computer Vision & Image Processing
- CS4386 AI Game Programming

**Other Electives:**
- CS3185 Computer Architecture
- CS3283 Distributed Systems
- CS3382 Web Usability Design and Engineering
- CS3391 Advanced Programming
- CS4280 Advanced Internet Applications Development
- CS4284 Mobile Computing
- CS4285 High Speed Multimedia Networks
- CS4288 Cryptographic Algorithms and Protocols
- CS4289 Pervasive Computing
- CS4295 Mobile Application Programming
- CS4296 Cloud Computing
- CS4297 Cloud Robotics and Automation
- CS4298 iOS Application Development

**Data Science Stream – Stream Core:**
- CS3481 Fundamentals of Data Science
- CS4480 Data-Intensive Computing
- CS4487# Machine Learning

**Other Electives:**
- CS4288 Cryptographic Algorithms and Protocols
- CS4289 Pervasive Computing
- CS4295 Mobile Application Programming
- CS4296 Cloud Computing
- CS4297 Cloud Robotics and Automation
- CS4298 iOS Application Development

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

**Other Electives:**
- CS4288 Cryptographic Algorithms and Protocols
- CS4289 Pervasive Computing
- CS4295 Mobile Application Programming
- CS4296 Cloud Computing
- CS4297 Cloud Robotics and Automation
- CS4298 iOS Application Development

**Multimedia Computing Stream – Stream Core:**
- CS3483 Multimodal Interface Design
- CS4182 Computer Graphics

Choose one out of the following four courses:
- CS4185 Multimedia Technologies and Applications
- CS4186% Computer Vision & Image Processing
- CS4187 Computer Vision for Interactivity
- CS4188 Virtual Reality

**Other Electives:**
- CS4288 Cryptographic Algorithms and Protocols
- CS4289 Pervasive Computing
- CS4295 Mobile Application Programming
- CS4296 Cloud Computing
- CS4297 Cloud Robotics and Automation
- CS4298 iOS Application Development

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

Choose three out of the following four courses:
- CS3346 Software Testing and Maintenance
- CS3356 Managing Software Projects
- CS4348 Software Quality Management
- CS4389 Decentralized Applications Development

#, % - same courses

**Remarks:**

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

2. GE = Gateway Education Requirements: Total 12 credit units, including 3 credit units in English (GE2410) and 3 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 CS2402 “Introduction to Computational Probability Modelling” and 3 credit units from a pool of College Specified Courses.

3. 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.

**College Specified Courses (choose any one from the following list)**

- GE2313 Global IT Case Studies
- GE2324 The Art and Science of Data
- GE2338 Internet Applications and Security
- GE2340 Artificial Intelligence – Past, Present, and Future
- 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 Gateway Education (GE) English course (GE2410).

2. Chinese Language Requirement
   It is not required for Advanced Standing II students.

*Updated on 7 June 2022*