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

GE Requirements
(12 credit units) + College / School Requirements
All waived (0 credit unit) + Major Requirements
(60 credit units) = Total
(72 credit units)

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 (College Requirement)</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>CS2066</td>
<td>IT Professionals and Society</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 2021-2022

2021-2022 (3rd Year)

Summer Term 2022 (3rd Year)

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

2022-2023 (4th Year)

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
- CS4296 Cloud Computing
- CS4297 Cloud Robotics and Automation

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

**Other Electives:**
- CS4286 Internet Security and E-Commerce Protocols
- CS4293 Topics on Cybersecurity
- CS4384 Information Security and Management
- CS4386 Machine Learning
- CS4388 Cryptographic Algorithms and Protocols
- CS4395 Mobile Application Programming
- CS4487# Machine Learning
- CS4489 Pervasive Computing

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

**Other Electives:**
- CS4286 Internet Security and E-Commerce Protocols
- CS4293 Topics on Cybersecurity
- CS4384 Information Security and Management
- CS4386 Machine Learning
- CS4394 Information Security and Management
- CS4395 Mobile Application Programming
- CS4487# Machine Learning
- CS4489 Pervasive Computing

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

**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 / 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
- 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
- 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 19 April 2021*