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>
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</thead>
<tbody>
<tr>
<td>AP1201 /</td>
<td>General Physics I / Chemistry / Discovery in</td>
<td>6</td>
<td>CS2204</td>
<td>Fundamentals of Internet Applications Development</td>
<td>3</td>
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<tr>
<td>BCH1100/BCH1200</td>
<td>Biology</td>
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<tr>
<td>SS3904</td>
<td>Science, Technology &amp; Society for Computing</td>
<td>3</td>
<td>CS2310</td>
<td>Computer Programming</td>
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<td>CS2115</td>
<td>Computer Organization</td>
<td>3</td>
<td>CS3201</td>
<td>Computer Networks</td>
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Courses WaIVED: 21 credit units

Catalogue Term 2017-18

2017-2018 (3rd Year)

<table>
<thead>
<tr>
<th>Semester A</th>
<th>Units</th>
<th>Semester B</th>
<th>Units</th>
<th>Total</th>
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<tbody>
<tr>
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<td>1</td>
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<tr>
<td>CS2312</td>
<td>3</td>
<td>CS3334</td>
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<tr>
<td>CS3103</td>
<td>3</td>
<td>CS3342</td>
<td>3</td>
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<tr>
<td>CS-E</td>
<td>3</td>
<td>CS3402</td>
<td>3</td>
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<tr>
<td>MA2185</td>
<td>3</td>
<td>CS-E</td>
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</tr>
<tr>
<td>GE-2</td>
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<td>GE2326</td>
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<td>CS4514</td>
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Summer Term 2018 (4th Year)

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

2018-2019 (4th Year)

<table>
<thead>
<tr>
<th>Semester A</th>
<th>Units</th>
<th>Semester B</th>
<th>Units</th>
<th>Total</th>
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</thead>
<tbody>
<tr>
<td>CS3504</td>
<td>6*</td>
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<td>6*</td>
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<tr>
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<td>3*</td>
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<td>CS3343</td>
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<td>CS-E</td>
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<td>CS4335</td>
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<td>CS-E</td>
<td>3</td>
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<tr>
<td>EN4262</td>
<td>2</td>
<td>CS-E</td>
<td>2</td>
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</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. For those who do not want to focus on a selected stream, they can take any 4 elective courses from the list.

Information Security Stream – Stream Core: Other Electives:
CS4286 Internet Security and E-Commerce Protocols CS3185 Computer Architecture
CS4293 Topics on Cybersecurity CS3283 Distributed Systems
CS4394 Information Security and Management CS3382 Web Usability Design and Engineering
CS3483 Multimodal Interface Design CS3391 Advanced Programming
CS4182 Computer Graphics CS4285 High Speed Multimedia Networks

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

Choose three out of the following four courses:
CS3346 Software Testing and Maintenance
CS3350 Managing Software Projects
CS4348 Software Quality Management
CS4389 Decentralized Applications Development
CS4380 Advanced Internet Applications Development
CS4290 Mobile Application Programming

Multimedia Computing Stream – Stream Core:
CS4185 Multimedia Technologies and Applications
CS4186 Computer Vision & Image Processing
CS4187 Computer Vision for Interactivity
CS4188 Virtual Reality

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

Choose three out of the following four courses:
CS3346 Software Testing and Maintenance
CS3350 Managing Software Projects
CS4348 Software Quality Management
CS4389 Decentralized Applications Development
CS4380 Advanced Internet Applications Development
CS4290 Mobile Application Programming

Multimedia Computing Stream – Stream Core:
CS4185 Multimedia Technologies and Applications
CS4186 Computer Vision & Image Processing
CS4187 Computer Vision for Interactivity
CS4188 Virtual Reality

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

Choose three out of the following four courses:
CS3346 Software Testing and Maintenance
CS3350 Managing Software Projects
CS4348 Software Quality Management
CS4389 Decentralized Applications Development
CS4380 Advanced Internet Applications Development
CS4290 Mobile Application Programming

Software Engineering and Project Management
CS4367 Computer Games Design

Stream - Stream Core:
CS4381 Advanced Software Design

Choose three out of the following four courses:
CS4385 Topics in Software Engineering
CS4386 AI Game Programming
CS4482 Advanced Database Systems
CS4485 Information Retrieval
CS4486 Artificial Intelligence
CS4552 Guided Study

Data Science Stream – Stream Core:
CS4381 Fundamentals of Data Science
CS4480 Data-Intensive Computing
CS4487 Machine Learning

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

^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 31 July 2018