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>AP1201</td>
<td>General Physics I / Chemistry /</td>
<td>6</td>
<td>CS2204</td>
<td>Fundamentals of Internet Applications</td>
<td>3</td>
</tr>
<tr>
<td>BCH1100</td>
<td>Discovery in Biology</td>
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<td></td>
<td>Development</td>
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<td>BCH1200</td>
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<tr>
<td>SS3904</td>
<td>Science, Technology &amp; Society for</td>
<td>3</td>
<td>CS2310</td>
<td>Computer Programming</td>
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<tr>
<td></td>
<td>Computing</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 2015-16

2015-2016 (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>
<td>CS2611</td>
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<tr>
<td>CS2312</td>
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<td>CS3334</td>
<td>3</td>
<td>6</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>CS3492</td>
<td>3</td>
<td>6</td>
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<tr>
<td>MA2185</td>
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<td>CS-E</td>
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<tr>
<td>CSpC</td>
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<td>GE2326</td>
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<td>GE2410</td>
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Summer Term 2016 (4th Year)

<table>
<thead>
<tr>
<th>Semester</th>
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<tr>
<td>CS-E</td>
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<tr>
<td>GE-3</td>
<td>3</td>
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2016-2017 (4th Year)

<table>
<thead>
<tr>
<th>Semester A</th>
<th>Units</th>
<th>Semester B</th>
<th>Units</th>
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<tr>
<td>CS3504</td>
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<td>CS4514</td>
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<td>6*</td>
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<td>CS3343</td>
<td>3</td>
<td>CS-E</td>
<td>3</td>
<td>6</td>
</tr>
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<td>CS4335</td>
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<td>CS-E</td>
<td>3</td>
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<td>EN4262</td>
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Total Credit Units: 72 (12 GE + 60 Major)

Electives: (minimum 12 credit units from the following electives)

Information Security Stream – Stream Core:
- CS4286 Internet Security and E-Commerce Protocols
- CS4293 Topics on Computer Security
- CS4304 Information Security and Management
- CS4358 Managing Software Projects
- CS4348 Software Quality Management
- CS4477 Machine Learning

Other Electives:
- CS3165 Computer Architecture
- CS3283 Distributed Systems
- CS3382 Web Usability Design and Engineering
- CS4205 Mobile Application Programming
- CS4268 High Speed Multimedia Networks
- CS4288 Cryptographic Algorithms and Protocols
- CS4299 Pervasive Computing
- CS4292 Distributed Network Algorithms and Optimization
- CS4356 Mobile Application Programming
- CS4367 Computer Games Design
- CS4381 Advanced Software Design
- CS4385 Topics in Software Engineering
- CS4480 Data-Intensive Computing
- CS4482 Advanced Database Systems

Multimedia Computing Stream – Stream Core:
- CS4186 Computer Vision & Image Processing
- CS4187 Computer Vision for Interactivity
- CS4188 Multimedia Interface Design
- CS4189 Computer Graphics
- CS4190 Multimedia Technologies and Applications
- CS4195 Graphic Programming

Other Electives:
- EE4090 Digital Information Communications
- IS4500 Information Systems Project Management
- IS4501 Information Systems Audit
- MA2172 Applied Statistics for Science and Engineering

Software Engineering and Project Management
- CS4288 Cryptographic Algorithms and Protocols
- CS4299 Pervasive Computing
- CS4292 Distributed Network Algorithms and Optimization
- CS4356 Managing Software Projects
- CS4348 Software Quality Management
- CS4367 Computer Games Design
- CS4480 Data-Intensive Computing
- CS4482 Advanced Database Systems

Data Science Stream – Stream Core:
- CS4317 Advanced Data Science
- CS4318 Data-Intensive Computing
- CS4319 Data Mining
- CS4320 Data-Intensive Computing
- CS4321 Advanced Data Science

Other Electives:
- CS4381 Advanced Software Design
- CS4385 Topics in Software Engineering
- CS4480 Data-Intensive Computing
- CS4482 Advanced Database Systems

Sample Study Schedule
under Advanced Standing II (Senior-year Entry)
(For Associate Degree/Higher Diploma graduates admitted to the senior year)
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 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 Gateway Education (GE) English course (GE2410).

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

Updated on 13 July 2015