

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

BSCU3-CSC Cohort 2016
UGC Funded

Catalogue Term 2016-17

2016-2017 (2nd Year)

| Semester A | | Units | Semester B | | Units | Total |
|------------|---|-------|------------|---------------------------------------|-------|-------|
| CS2611 | Seminars on Contemporary Technology I | 0 | CS2611 | Seminars on Contemporary Technology I | 1 | |
| CS2115 | Computer Organization | 3 | CS2312 | Problem Solving and Programming | 3 | |
| CS2204 | Fundamentals of Internet Applications Development | 3 | CS3103 | Operating Systems | 3 | |
| CS2310 | Computer Programming | 3 | CS3334 | Data Structures | 3 | |
| CS3201 | Computer Networks | 3 | CS3342 | Software Design | 3 | |
| MA2185 | Discrete Mathematics | 3 | CS3402 | Database Systems | 3 | |
| GE2410 | English for Engineering - GE (1) | 3 | GE1401 | University English – GE (2) | 3 | |
| | | 18 | | | 19 | 37 |

Summer Term 2017 (3rd Year)

| Summer | | Units | | Total |
|--------|----------------------------|-------|--|-------|
| CS-E | CS Elective (1) | 3 | | |
| GE-3 | Gateway Education – GE (3) | 3 | | |
| | | 6 | | 6 |

2017-2018 (3rd Year)

| Semester A | | Units | Semester B | | Units | Total |
|------------|----------------------------------|--------|---------------|--|--------|--------|
| CS3504 | IT Professional Placement | 6* | CS3504 | IT Professional Placement | 6* | |
| CS3343 | Software Engineering Practice | 3 | SS3904 | Science, Technology & Society for Computing | 3 | |
| CS4335 | Design & Analysis of Algorithms | 3 | CS-E | CS Elective (2) | 3 | |
| | Free Elective / Minor (optional) | 0 - 3 | GE2326 (CSpC) | Probability in Action: From the Unfinished Game to the Modern World - GE (4) | 3 | |
| | | | | Free Elective / Minor (optional) | 0 - 3 | |
| | | 12/ 15 | | | 15/ 18 | 27/ 33 |

Summer Term 2018 (4th Year)

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

2018-2019 (4th Year)

| Semester A | | Units | Semester B | | Units | Total |
|------------|---|--------|------------|----------------------------------|--------|--------|
| CS4514 | Project | 3* | CS4514 | Project | 6* | |
| CS-E | CS Elective (3) | 3 | CS-E | CS Elective (4) | 3 | |
| CSpC | College Specified Courses – GE (5) [^] | 3 | GE-7 | Gateway Education – GE (7) | 3 | |
| GE-6 | Gateway Education – GE (6) | 3 | | Free Elective / Minor (optional) | 0 - 6 | |
| EN4262 | English Communication Skills for Computing | 2 | | | | |
| | Free Elective / Minor (optional) | 0 - 3 | | | | |
| | | 14/ 17 | | | 12/ 18 | 26/ 35 |

Total Credit Units: 96 – 111# (# Assume a student takes a major and a minor)

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
 CS4394 Information Security and Management

Multimedia Computing Stream – Stream Core:

CS3483 Multimodal Interface Design
 CS4182 Computer Graphics
 CS4185 Multimedia Technologies and Applications

Software Engineering and Project Management Stream - Stream Core:

CS3346 Software Testing and Maintenance
 CS3356 Managing Software Projects
 CS4348 Software Quality Management

Data Science Stream – Stream Core:

CS3481 Fundamentals of Data Science
 CS4480 Data-Intensive Computing
 CS4487 Machine Learning

Other Electives:

CS3185 Computer Architecture
 CS3283 Distributed Systems
 CS3382 Web Usability Design and Engineering
 CS3391 Advanced Programming
 CS4186 Computer Vision & Image Processing
 CS4187 Computer Vision for Interactivity
 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
 CS4367 Computer Games Design
 CS4381 Advanced Software Design
 CS4385 Topics in Software Engineering
 CS4386 AI Game Programming

CS4482 Advanced Database Systems
 CS4485 Information Retrieval
 CS4486 Intelligent Systems
 CS4552 Guided Study
 EE4940 Digital Information Communications
 IS4501 Information Systems Audit
 MA2172 Applied Statistics for Sciences and Engineering

Remarks:

| | | |
|----|----------------------|---|
| 1. | * | Partial credit units for year-long courses, granted only if completing the whole course. |
| 2. | GE | = Gateway Education Requirements: Total 21 credit units including 6 credit units in English (GE1401 & GE2410), 3 credit units in Chinese Civilization (GE1501), 6 credit units in distributional requirements from the two different 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. |
| 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
- 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 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

| | | |
|-------|---|--|
| (i) | Students scoring below Level 4 in HKDSE Chinese Language, or below Grade D in HKALE AS-level Chinese Language and Culture | 3-credit unit Chinese course (CHIN1001)* |
| (ii) | Students scoring Level 4 or above in HKDSE Chinese Language, or Grade D or above in HKALE AS-level Chinese Language and Culture | No requirement |
| (iii) | Students whose qualifications do not fall within (i) and (ii) above | No requirement |

**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 15 June 2017