

**Sample Study Schedule under Advanced Standing I
(For students with recognised Advanced Level Examinations
or equivalent qualifications)**

**BSC3-CSC Cohort 2014
UGC Funded**

2014-2015 (2nd Year)

Semester A		Units	Semester B		Units	Total
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			18	36

Summer Term 2015 (3rd Year)

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

2015-2016 (3rd Year)

Semester A		Units	Semester B		Units	Total
CS2611	Seminars on Contemporary Technology I	0	CS2611	Seminars on Contemporary Technology I	1	
CS3503	IT Professional Placement	3*	CS3503	IT Professional Placement	6*	
CS3343	Software Engineering Practice	3	CS-E	CS Elective (2)	3	
SS3904	Science, Technology & Society for Computing	3	CS-E	CS Elective (3)	3	
CSpC	College Specified Courses – GE (4)^	3	GE2326 (CSpC)	Probability in Action: From the Unfinished Game to the Modern World - GE (5)	3	
	Free Elective / Minor (optional)	0 - 3		Free Elective / Minor (optional)	0 - 3	
		12/ 15			16/ 19	28/ 34

2016-2017 (4th Year)

Semester A		Units	Semester B		Units	Total
CS3612	Seminars on Contemporary Technology II	0	CS3612	Seminars on Contemporary Technology II	1	
CS4514	Project	3*	CS4514	Project	6*	
CS4335	Design & Analysis of Algorithms	3	CS-E	CS Elective (5)	3	
CS-E	CS Elective (4)	3	GE-7	Gateway Education – GE (7)	3	
GE-6	Gateway Education – GE (6)	3		Free Elective / Minor (optional)	0 - 3	
	Free Elective / Minor (optional)	0 - 6				
		12/ 18			13/ 16	25/ 34

Total Credit Units: 95 – 110# (# Assume a student takes a major and a minor)

Electives: (minimum 15 credit units from these 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:

CS3183 Performance Evaluation
CS3184 Chinese Computing
CS3185 Computer Architecture
CS3282 E-Commerce Technology
CS3283 Distributed Systems
CS3371 E-Logistics Application System
CS3372 Enterprise Systems Development
CS3382 Web Usability Design and Engineering
CS3391 Advanced Programming
CS4183 Advanced Operating Systems
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
CS4290 Digital Media and Rights Management
CS4292 Distributed Network Algorithms and Optimization

CS4295 Mobile Application Programming
CS4296 Cloud Computing
CS4297 Cloud Robotics and Automation
CS4298 iOS Application Programming
CS4367 Computer Games Design
CS4380 Web 2.0 Technologies
CS4381 Advanced Software Design
CS4385 Topics in Software Engineering
CS4386 AI Game Programming
CS4388 Artificial Intelligence and Art
CS4392 Topics in Theory of Computing
CS4482 Advanced Database Systems
CS4485 Information Retrieval
CS4486 Intelligent Systems
CS4552 Guided Study
EE4940 Digital Information Communications
IS4500 Information Systems Project Management
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 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.
3. # Subject to approval.

^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 ~EL0200 (6 credit units).
- ❖ 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 EL0200. 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 EL0200 may be granted for students who have achieved the required English proficiency.

~EL0200 'English for Academic Purposes':

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.