

**Sample Study Schedule  
(Normative 4-Year Degree, Common First Year)**

**BSCU4-CSC Cohort 2015  
UGC Funded**

**Catalogue Term 2015-16**

**2015-2016 (1<sup>st</sup> Year)**

Semester A (92 students)		Units	Semester B		Units	Total
CS1102 / CS1302 (CSpC)	Introduction to Computer Studies / Introduction to Computer Programming - GE (1)	3	GE2410	English for Engineering – GE (4)	3	
MA1200 / MA1300 (CSpC)	Calculus and Basic Linear Algebra I / Enhanced Calculus and Linear Algebra I - GE (2)	3	MA1201 / MA1301 (CSpC)	Calculus and Basic Linear Algebra II / Enhanced Calculus and Linear Algebra II - GE(5)	3	
AP1201 / BCH1100/ BCH1200	General Physics I / Chemistry / Discovery in Biology	3	AP1201 / BCH1100/ BCH1200	General Physics I / Chemistry / Discovery in Biology	3	
GE1401	University English – GE (3)	3	GE2326 (DR-1)	Probability in Action: From the Unfinished Game to the Modern World	3	
CS2310	Computer Programming	3	CS2204	Fundamentals of Internet Applications Development	3	
		15			15	30

**2016-2017 (2<sup>nd</sup> 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	CS3103	Operating Systems	3	
CS2312	Problem Solving and Programming	3	CS3342	Software Design	3	
CS3201	Computer Networks	3	CS3402	Database Systems	3	
CS3334	Data Structures	3	DR-2@	Department Required Supporting: CB Course - DR (2)	3	
MA2185	Discrete Mathematics	3	GE-6	Gateway Education – GE (6)	3	
	Free Elective / Minor (optional)	0-3		Free Elective / Minor (optional)	0-3	
		15/ 18			16/ 19	31/ 37

**Summer Term 2017 (3<sup>rd</sup> Year)**

Summer		Units		Total
CS-E	CS Elective (1)	3		
GE-7	Gateway Education – GE (7)	3		
		6		6

**2017-2018 (3<sup>rd</sup> Year)**

Semester A		Units	Semester B		Units	Total
CS3504	IT Professional Placement	6*	CS3504	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	
			GE-8	Gateway Education – GE (8)	3	
		12			15	27

**2018-2019 (4<sup>th</sup> Year)**

Semester A		Units	Semester B		Units	Total
CS4514	Project	3*	CS4514	Project	6*	
CS4335	Design & Analysis of Algorithms	3	CS-E	CS Elective (4)	3	
EN4262	English Communication Skills for Computing	2	GE-10	Gateway Education – GE (10)	3	
DR-3^	Department Required Supporting: GE Course - DR(3)	3		Free Elective / Minor (optional)	0-6	
GE-9	Gateway Education – GE (9)	3				
	Free Elective / Minor (optional)	0-3				
		14/ 17			12/ 18	26/ 35

**Total Credit Units: 120 – 135# (# 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
- CS4292 Distributed Network Algorithms and Optimization
- 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
- 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.	AP1201/BCH1100/ BCH1200 (choose two from science areas)	Students of the College of Science and Engineering need to earn 6 credit units in fulfillment of the College Requirements.
3.	GE	= Gateway Education Requirements: Total 30 credit units including 6 credit units in English (GE1401 & GE2410), 3 credit units in Chinese Civilization (GE1501), 12 credit units in distributional requirements with a minimum of 3 credit units from each of the three areas: 'Arts and Humanities', 'Study of Societies, Social and Business Organisations' and 'Science and Technology', 9 credit units in College Specified Courses (CSpC).
4.	Department Required Supporting Courses (DR)	9 credit units in Department Required Supporting Courses, including GE2326 "Probability in Action: From the Unfinished Game to the Modern World", 3 credit units from a pool of department required supporting GE courses and 3 credit units from a pool of department required supporting CB courses.

**^Department Required Supporting GE 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

**@Department Required Supporting CB courses (choose any one from the following list)**

- 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.*

*Updated on 1 September 2016*