

**Sample Study Schedule  
under Advanced Standing II (Senior-year Entry)  
(For Associate Degree/Higher Diploma graduates  
admitted to the senior year)**

**BSCEGU2-CSC Cohort 2018  
UGC Funded**

**Courses Waived for students admitted with Advanced Standing II**

Course Code	Course Title	Units	Course Code	Course Title	Units
PHY1201 / BCH1100/BCH1200 (College Requirement)	General Physics I / Chemistry / Discovery in Biology	6	CS2204	Fundamentals of Internet Applications Development	3
SS3904	Science, Technology & Society for Computing	3	CS2310	Computer Programming	3
CS2115	Computer Organization	3	CS3201	Computer Networks	3

**Courses Waived: 21 credit units**

**Catalogue Term 2018-19**

**2018-2019 (3<sup>rd</sup> Year)**

Semester A		Units	Semester B		Units	Total
CS2611	Seminars on Contemporary Technology I	0	CS2611	Seminars on Contemporary Technology I	1	
CS2312	Problem Solving and Programming	3	CS3334	Data Structures	3	
CS3103	Operating Systems	3	CS3342	Software Design	3	
CS-E	CS Elective (1)	3	CS3402	Database Systems	3	
MA2185	Discrete Mathematics	3	CS-E	CS Elective (2)	3	
CSpC	College Specified Courses – GE (1) ^	3	CS2402	Introduction to Computational Probability Modelling - GE (3)	3	
GE-2	Gateway Education – GE (2)	3	GE2410	English for Engineering - GE (4)	3	
		18			19	37

**Summer Term 2018 (4<sup>th</sup> Year)**

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

**2019-2020 (4<sup>th</sup> Year)**

Semester A		Units	Semester B		Units	Total
CS3504	IT Professional Placement	6*	CS3504	IT Professional Placement	6*	
CS4514	Project	3*	CS4514	Project	6*	
CS3343	Software Engineering Practice	3	CS-E	CS Elective (3)	3	
CS4335	Design & Analysis of Algorithms	3	CS-E	CS Elective (4)	3	
EN4262	English Communication Skills for Computing	2				
		17			18	35

**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:**

- CS4286 Internet Security and E-Commerce Protocols
- CS4293 Topics on Cybersecurity
- CS4394 Information Security and Management

**Multimedia Computing Stream – Stream Core:**

- CS3483 Multimodal Interface Design
- CS4182 Computer Graphics

**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

**Software Engineering and Project Management Stream - Stream Core:**

**Choose three out of the following four courses:**

- CS3346 Software Testing and Maintenance
- CS3356 Managing Software Projects
- CS4348 Software Quality Management
- CS4389 Decentralized Applications Development

**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
- 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 Artificial Intelligence
- 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 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	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
- 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.