

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

**BSCEGU2-CSC Cohort 2017  
UGC Funded**

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

Course Code	Course Title	Units	Course Code	Course Title	Units
AP1201 / 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 2017-18**

**2017-2018 (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	GE2326 (CSpC)	Probability in Action: From the Unfinished Game to the Modern World - 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)]*

**2018-2019 (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:**

- English Language Requirement**  
 To fulfil the University's English Language Requirement, students should complete the Gateway Education (GE) English course (GE2410).
- Chinese Language Requirement**  
 It is not required for Advanced Standing II students.