

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

**BSCU2-CSC Cohort 2015  
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 2015-16**

**2015-2016 (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 (2)	3	
			GE2410	English for Engineering - GE (3)	3	
		15			19	34

**Summer Term 2016 (4<sup>th</sup> Year)**

Summer		Units	Total
CS-E	CS Elective (3)	3	
GE-3	Gateway Education – GE (4)	3	
		6	6

**2016-2017 (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 (4)	3	
CS4335	Design & Analysis of Algorithms	3				
EN4262	English Communication Skills for Computing	2				
		17			15	32

**Total Credit Units: 72 (12 GE + 60 Major)**

**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. 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 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 Gateway Education (GE) English course (GE2410).

### **2. Chinese Language Requirement**

It is not required for Advanced Standing II students.

*Updated on 1 September 2016*