BSC (ORD) (COMPUTER STUDIES)

Programme Requirements

Code	Title	Credits
Year 1		
Students select **60** credits (or ECTS equivalent) at BITSU		60
Year 2		
Students take **60** credits as follows – all listed core modules (**50** credits) and **10** credits of elective modules:		
Core Modules		
CS1106	Introduction to Relational Databases	5
CS1110	Computer Hardware Organization	5
CS1111	Systems Organisation	5
CS1112	Foundations of Computer Science I	5
CS1113	Foundations of Computer Science II	5
CS1115	Web Development 1	5
CS1116	Web Development 2	5
CS1117	Introduction to Programming	15
Elective Modules		
Students take modules to the value of **10** credits from the following:		10
EC1202 & EC1203	Economic Reasoning for Business and Macroeconomic Context and Business	
FR1105 & FR1107	Threshold French and French for Reading Purposes I	
GE0005 & GE0008	German Language (CEFR-Level A2.1) and German Language (CEFR-Level A2.2)	
HS0028	Spanish Language (Beginner Level) (10)	
IT1102	Non-Beginners' Written and Spoken Italian (10)	
IT1109	Introduction to Written and Spoken Italian (10)	
MA1001	Calculus for Science Part 1 (5)	
MA1002	Calculus for Science Part 2 (5) [1]	
MA1059	Calculus (5)	
MA1060	Introduction to Analysis (5)	
Year 3		
Students take **60** credits as follows – all listed core modules (**50** credits) and **10** credits of elective modules:		
Core Modules		
CS2208	Information Storage and Management I	5
CS2209	Information Storage and Management II	5
CS2505	Network Computing	5
CS2507	Computer Architecture	5
CS2513	Intermediate Programming	5
CS2514	Introduction to Java	5
CS2515	Algorithms and Data Structures I	5
CS2516	Algorithms and Data Structures II	5
CS2518	Operating Systems	5
CS3204	Cloud Infrastructure and Services	5
Elective Modules		
Students take modules to the value of **10** credits from the following:		10
CS2502	Logic Design (5)	
CS2511	Usability Engineering (5)	
FR1105 & FR1107	Threshold French and French for Reading Purposes I [2]	
FR2105 & FR2107	Towards Vantage French and French for our World: Learning Together in Autonomy	
HS0128	Spanish Language (Improver [01] Level) (10)	
MA1057 & MA1058	Introduction to Abstract Algebra and Introduction to Linear Algebra	
Total Credits		**180**

[1]   Students wishing to take MA1002 must also take MA1001.
[2]   FR1105 and FR1107 may only be taken if not already taken in Second Year.

Note: Not all elective modules may be offered in a particular year.

Examinations

Full details and regulations governing Examinations for each programme will be contained in the *Marks and Standards Book* and for each module in the *Book of Modules*.