BSC (ORD) (COMPUTER STUDIES)

Overview

NFQ Level 7, Major Award

(Dual Degree)

The BSc (Ordinary) Computer Studies is a three year programme delivered in partnership with Beijing Information Science and Technology University (BISTU) with whom University College Cork has a bilateral agreement under statute 263 of the National University of Ireland. This programme leads to a dual degree which is awarded independently from both institutions.

The programme comprises 180 credits. Students will study for one year at BISTU, taking modules to the value of 60 credits (or ECTS equivalent) and for two years at University College Cork, taking modules to the value of 60 credits in each of Second and Third Years. When studying at UCC a student may not register for more than 60 credits in any one academic year.

First Year - Computer Studies

This year is spent pursuing a BSc Computer Science related degree such as Network Engineering, Computer Science and Technology (computer applications), or Software Engineering in BISTU with whom UCC signs a bilateral agreement.

Examinations

The First Year of this programme will be in examined in accordance with examination regulations governed by the Chinese Education Authority

Second Year - Computer Studies

In order to be admitted to the Second University Examination in Computer Studies a student must have satisfactorily attended prescribed modules amounting to **60** credits comprising core modules to the value of **50** credits, and elective modules to the value of **10** credits.

Third Year - Computer Studies

In order to be admitted to the Third University Examination in Computer Studies a student must have satisfactorily attended prescribed modules amounting to **60** credits comprising core modules to the value of **50** credits, and elective modules to the value of **10** credits.

Programme Requirements

For information about modules, module choice, options and credit weightings, please go to Programme Requirements (p. 1).

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 *plus* EC1203	Economic Reasoning for Business (10) *plus* Macroeconomic Context and Business ()	
FR1105 *plus* FR1107	Threshold French (10) *plus* French for Reading Purposes I ()	
GE0005 *plus* GE0008	German Language (CEFR-Level A2.1) (10) *plus* 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
CS2503	Operating Systems 1	5
CS2505	Network Computing	5
CS2506	Operating Systems II	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
Elective Modules		
Students take modules to the value of **10** credits from the following:		10
CS2502	Logic Design (5)	
CS2511	Usability Engineering (5)	
FR1105 *plus* FR1107	Threshold French (10) *plus* French for Reading Purposes I () [2]	
FR2105 *plus* FR2107	Towards Vantage French (10) *plus* French for Reading Purposes II ()	
HS0128	Spanish Language (Improver [01] Level) (10)	
MA1057 *plus* MA1058	Introduction to Abstract Algebra (5) *plus* 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.*

Programme Learning Outcomes

Programme Learning Outcomes for BSc (Ord) (Computer Studies) (NFQ Level 7, Major Award)

On successful completion of this programme, students should be able to:

- Formulate and solve problems using the mathematical principles which underlie electronic computation;
- Analyse real-world applications in the light of these mathematical principles, in order to identify the most appropriate computational approach;
- Identify the most appropriate technologies for implementing the chosen computational approach to solving a real-world application;
- Use a range of computing technologies and programming languages to implement appropriate computational approaches to real-world applications.