

BSC (HONS) IN COMPUTER SCIENCE (SOFTWARE ENTREPRENEURSHIP)

Programme Requirements

Code	Title	Credits
Year 1		
<i>Single Honours</i>		
Students take 60 credits as follows – all listed core modules (50 credits) and 10 credits of elective modules:		
<i>Core Modules</i>		
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
<i>Elective Modules</i>		
Students take modules to the value of 10 credits from the following list. Only electives without timetable conflicts with core modules may be chosen.		
CH1001	Chinese Language (Mandarin) I	
CS1130 & CS1131	Irish Language for Computer Science I and Irish Language for Computer Science II	
EC1202 & EC1203	Economic Reasoning for Business and Macroeconomic Context and Business	
FR0105	Introduction to French : Complete Beginners	
FR1005	French for Near Beginners	
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)	
HS1009	Spanish Language (Post Leaving Certificate)	
IT1102	Non-Beginners' Written and Spoken Italian	
IT1109	Introduction to Written and Spoken Italian	
MA1001 & MA1002	Calculus for Science Part 1 and Calculus for Science Part 2	
MA1059 & MA1060	Calculus and Introduction to Analysis	
Year 2 -- applicable only to those who first registered in 2024/25 or earlier		
Students take 60 credits as follows:		
<i>Core Modules</i>		
<i>Computer Science</i>		
CS2208	Information Storage and Management I	5
CS2209	Information Storage and Management II	5
CS2513	Intermediate Programming	5
CS2514	Introduction to Java	5
CS2515	Algorithms and Data Structures I	5

Economics

EC2115	Introduction to Mathematical Economic Analysis	5
EC2116	Introduction to Statistical Economic Analysis	5
EC2119	Economic Data Collection and Presentation Skills	5
EC2120	Report Writing and Oral Presentation Skills	5
EC2200	Economics of Managerial Decision Making	5
EC2215	Macroeconomic Growth and Competitiveness	5
EC3008	Financial Strategy	5

Year 3 -- applicable only to those who first registered in 2024/25 or earlier

Students take **60** credits as follows:

Core Modules

Computer Science

CS3300	Work Placement	10
or CS3301	Work Placement	
CS3305	Team Software Project	10
CS3306	Workplace Technology and Skills	10
CS3318	Advanced Programming with Java	5
CS3500	Software Engineering	5

Economics

EC3208	Economics and Markets after the Crisis	5
EC3100	The Economics of Corporate Strategy 1	5
EC3152	Quantitative Methods: Econometrics 1	5
EC3156	Environmental Economics: The Problem of Climate Change	5

Year 4 -- applicable only to those who first registered in 2024/25 or earlier

Students take **60** credits as follows – all listed core modules (**40** credits) and **20** credits of elective modules:

Core Modules

CS4503	Software Enterprise Project	15
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Economics

EC3215	Corporate Strategy and International Business	5
EC3216	Economics of Strategic Behaviour	5
EC3127	Economics and the Labour Market	5
EC3119	Capital Markets and Asset Valuation	5
EC4215	Business Econometrics 1	5

Elective Modules

Students take modules¹ to the value of **20** credits from the following:

CS4092	Special Topics in Computing I (5)	
CS4093	Special Topics in Computing II (5)	
CS4405	Multimedia Compression and Delivery (5)	
CS4507	Advanced Software Engineering (5)	
CS4614	Cryptography and Security Protocols (5)	
CS4626	Constraint Programming and Optimisation (5)	

Total Credits

240

¹ Note that not all elective modules will be offered each 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*.