BSC (HONS) CHEMISTRY WITH FORENSIC SCIENCE

Programme Requirements

Code	Title	Credits
Year 1		**60**
CK402 (https://ucc-ie-public.courseleaf.com/programmes/bscbf/)		
or		
CK406 (https://ucc-ie-public.courseleaf.com/programmes/bsccm/)		
Year 2		
Students take **60** credits as follows:		
Core Modules		
Chemistry		
CM2001	Main Group and Transition Element Chemistry	5
CM2002	Intermediate Stereochemistry, Reactivity and Mechanisms in Organic Chemistry	5
CM2003	Energetics and Kinetics	5
CM2004	States of Matter	5
CM2005	Structures and Reactions of Main Group Compounds	5
CM2006	Aromatics, Carbonyls and Alkenes	5
CM2007	Spectroscopy	5
CM2008	Structure, Bonding and Quantum Mechanics	5
Forensic Science		
CM2009	Introduction to Forensic Science	5
CM2013	Forensic Investigation Skills	5
Biochemistry and Molecular Biology		
BC2001	Biomolecules	5
ML2901	Introductory Molecular Biology	5
Optional Module		
CM0004	Introduction to Validation (5) [1]	
Year 3		
Students take **60** credits as follows:		
Core Modules		
Chemistry		
CM3001	Organic Synthesis, Intermediates and Heterocycles	5
CM3004	Structure and Reactivity of Organic Compounds	5
CM3016	Molecules and Radiation	5
CM3017	Reaction Kinetics and Electrochemistry	5
CM3021	Inorganic Chemistry	10
CM3024	Analytical Chemistry	10
CM3102	Introduction to Pharmaceutical Chemistry	5
Toxicology		
PT3002	Introduction to Toxicology	5
Forensic Science		
CM3108	Forensic Analysis	5
Forensic Psychology		
AP3121	Forensic Psychology	5
Optional Module		
CM0005	Validation Science (5) [2]	
CM4211	Work Placement for Chemistry Students (5) [3]	
Year 4		
Students take **60** credits as follows - all listed core modules (**50** credits) and **10** credits of Research:		
Core Modules		
Chemistry		
CM4017	Advanced Inorganic Chemistry Part 1	5
CM4018	Advanced Inorganic Chemistry Part 2	5
CM4019	Lasers, Photochemistry & Spectroscopy	5
CM4020	Interfaces & Modelling	5
CM4108	Advanced Pharmaceutical Chemistry	5
CM4026	Advanced Analytical Chemistry Part 1	5
CM4027	Advanced Analytical Chemistry Part 2	5
Forensic Science		
CM4100	Advanced Methods of Forensic Science	5
Forensic Genetics		
BC3011	Forensic Genetics and Molecular Biology	5
Pathology		
PM3006	Forensic and Legal Medicine	5
Research Project		
CM4210	Chemistry with Forensic Science Research Project	10
Total Credits		**240**

(1) Students interested in taking this optional module must note their interest to the module co-ordinator in the first week of Semester 1. Places are limited and will be allocated based on results obtained in First Year and subject to the approval of the Programme Co-ordinator. CM0004 is not included for progression to subsequent year and is not counted toward the final degree award. The result obtained in CM0004 will be recorded on the student's transcript.

(2) Students interested in taking this optional module must note their interest to the module co-ordinator in the first week of Semester 2. Students who have passed the prerequisite CM0004 will be allocated a place, subject to the approval of the Programme Co-ordinator. CM0005 is not included for progression to subsequent year and is not counted toward the final degree award. The result obtained in CM0005 will be recorded on the student's transcript.

(3) Students interested in taking this optional module must secure a work placement relevant to the discipline, subject to the approval of the School of Chemistry. The work placement is to be undertaken in June-August (minimum four weeks) following the Third Year Summer Examination. CM4211 Work Placement for Chemistry Students is not included for progression to the subsequent year and is not counted towards the final degree award. The result obtained in CM4211 Work Placement for Chemistry Students will be recorded on the student's transcript.

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*.