

	YR1	YR2	BSc YR3	MSci YR3	YR4
	[c] = compulsory unit for the subject stream				
Nat Sci	SC12001 Nat Sci Portfolio 1 [c] AY 10	SC22002 Nat Sci Portfolio 2 [c] AY 10	Contemporary Interdisciplinary Science [c] AY 5	Contemporary Interdisciplinary Science [c] AY 5	
Biochemistry	SL12001 Biochemistry [c] AY 10 SL12002 Cell Biology [c] AY 10	SL22016 Proteins: Structure and Analysis [c] AY 10 SL22015 Molecular Biochemistry*** AY 10 SL22041 Gene Regulation and Vertebrate Development** AY 10 SL22044 Neuroscience*** AY 10 ***choose between 10 and 20 credits	Protein Synthesis, Folding, Structure-Function & Turnover [c] AY 10 Advanced Developmental Genetics & Stem Cells % ** AY 10 Advanced Molecular & Medical Neuroscience ** AY 10 Entrepreneurial Biotechnology ** AY 10 Current Topics in Bioscience (Take 1 Topic) ** S1 5 Current Topics in Bioscience (Take 1 Topic) ** S2 5 **choose between 0 and 10 credits	Protein Synthesis, Folding, Structure-Function & Turnover [c] AY 10 Advanced Developmental Genetics & Stem Cells % ## AY 10 Advanced Molecular & Medical Neuroscience ## AY 10 Entrepreneurial Biotechnology ## AY 10 Current Topics in Bioscience (Take 1 Topic) ## S1 5 Current Topics in Bioscience (Take 1 Topic) ## S2 5 ##choose 15 credits	Advances in Biosciences for Natural Sciences [c] AY 10
	SL12001 Biochemistry [c] AY 10	SL22016 Proteins: Structure and Analysis [c] AY 10	Protein Synthesis, Folding, Structure-Function & Turnover [c] AY 10	Protein Synthesis, Folding, Structure-Function & Turnover [c] AY 10	Final Year Project for Biochemistry majors: Advanced Capstone Project for Nat Sci (B&B) AY 30
Biology	SL12007 Biodiversity [c] AY 10 SL12008 Principles of Ecology & Evolution [c] AY 10	SL22018 Evolution & Phylogeny \$ AY 10 SL22046 Plant Infection & Immunity \$ S1 5 SL22048 Plant Signalling & Development \$ S2 5 SL22038 Behavioural Ecology \$ S1 5 SL22043 Modern Methods in Biology % \$ S2 5 SL22040 Field Course % \$ S2 5 \$ choose between 20 and 30 credits % cannot choose both	Micro and Macro Evolution \$\$ AY 10 Conservation & Global Change Biology \$\$ AY 10 Science Education in Practice \$\$ S1 5 Issues in Science Education \$\$ S2 5 Current Topics in Bioscience (Take 1 Topic) \$\$ S1 5 Current Topics in Bioscience (Take 1 Topic) \$\$ S2 5 \$\$ choose 20 credits	Micro and Macro Evolution \$\$ AY 10 Conservation & Global Change Biology \$\$ AY 10 Current Topics in Bioscience (Take 1 Topic) \$\$ S1 5 Current Topics in Bioscience (Take 1 Topic) \$\$ S2 5 Science Education in Practice \$\$ S1 5 Issues in Science Education \$\$ S2 5 \$\$ choose 20 credits	Advances in Biosciences for Natural Sciences [c] AY 10 or if Physics major Advances in Biosciences for Natural Sciences [c] S2 10 or if Physics minor Advances in Biosciences [c] AY 20
			Final Year Project for Biology majors Capstone Project S1 or S2 15		Final Year Project for Biology majors: Advanced Capstone Project for Nat Sci (B&B) AY 30
Chemistry	CH12002 Foundations and Applications of Chemistry AY 20	CH22008 Fundamental Concepts of Chemistry [c] AY 20	Advanced Chemistry 1 for Natural Sciences *** S1 10 Problems & Solutions in Modern Chemistry for Natural Sciences *** S2 10 ***choose between 10 and 20 credits	Advanced Chemistry 1 (for Natural Sciences) [c] S1 10 Problems & Solutions in Modern Chemistry for Natural Sciences [c] S2 10	Advanced Chemistry II for Natural Sciences [c] S1 10 21st century research challenges for Natural Sciences [c] S2 10 (only S2 if Physics major)
	CH12001 Introduction to biological chemistry AY 10 [c] for those taking Biochemistry/Pharmacology stream		Final Year project for Chemistry majors: Chemistry Project AY 15		Final Year Project for Chemistry majors: MSci Research Project (Chemistry) AY 30
Pharmacology	SC12123 Fundamentals of Pharmacology, health and AY 20	SL22051 Central Nervous System pharmacology [c] S1 5 SL22052 Drug Discovery & Experimental Pharmacology [c] S1 5 SL22138 Infection and Immunotherapy for Nat.Sci [c] S2 10 or if taking Neuroscience in BC2	Advanced Topics and Trends in Pharmacology [c] S1 10 Advanced CNS Pharmacology * S2 5 Drug Targets in the Immune System * S2 5 Molecular Signaling * S2 5 Molecular Biology of Cancer * S2 5 Regenerative Medicine %* S2 5 * choose 10 credits; % cannot be chosen together	No MSci option with Pharm major Advanced Topics and Trends in Pharmacology [c] S1 10 Advanced CNS Pharmacology #E S2 5 Drug Targets in the Immune System #E S2 5 Molecular Signaling #E S2 5 Molecular Biology of Cancer #E S2 5 Regenerative Medicine % #E S2 5 #E choose between 5 and 15 credits; % cannot be chosen together	No MSci majoring in Pharmacology Advanced Drug Discovery [c] AY 10 MSci dissertation ** S1 10 CNS Pharmacology ** S2 5 Drug Targets in the Immune System ** S2 5 Molecular Signaling ** S2 5 Molecular Biology of Cancer ** S2 5 Regenerative Medicine ** S2 5 ** Choose between 0 and 10 credits
	SC12122 Fundamentals of Pharmacology, health and AY 10	SL22051 Central Nervous System Pharmacology [c] S1 5 SL22050 Cardiovascular, Renal and PNS Pharmacology S2 5 or 10-credit stream if taking Neuroscience in BC2	Final Year Dissertation for Pharmacology majors Pharmacology Dissertation AY 15		
Physics	PH12002 Foundations of Physics 1 [c] AY 20 PH12062 Mathematics for Physics (NS) 1 [c] AY 10	PH22006 Foundations of Physics 2 [c] AY 20 PH22010 Mathematics for Physics (NS) 2 [c] AY 10	Advanced Quantum Mechanics \$ S1 5 Electronic & Optical Properties of Matter \$ S1 5 Nonlinear Physics \$ S1 5 Statistical Physics & Soft Matter \$ S1 5 Medical Physics \$ S1 5 Photonics \$ S1 5 Environmental Physics \$ S1 5 Laser Physics \$ S2 5 Networks & Quantum Information \$ S2 5 Symmetry & Topology \$ S2 5 Magnetism & Superconductivity \$ S2 5 Sustainable Energy Technologies \$ S2 5 \$ Choose between 20 and 30 credits	MPhys/MSci laboratory * AY 10 Computational Physics * AY 10 * choose 10 credits Advanced Quantum Mechanics [c] S1 5 Electronic & Optical Properties of Matter [c] S1 5 Photonics [c] S1 5 MPhys/MSci project preparation [c] S2 5 Laser Physics ** S2 5 Networks & Quantum Information ** S2 5 Symmetry & Topology ** S2 5 Magnetism & Superconductivity ** S2 5 Sustainable Energy Technologies ** S2 5 ** Choose between 0 and 10 credits	Nanoscience [c]** S2 5 Advanced functional materials [c]** S2 5 Fibre photonics [c]** S2 5 Non-linear and quantum optics [c]** S2 5 *Choose 10 credits if Physics minor Final Year Project for Physics majors MPhys/MSci research project S1 30
			Final Year Project for Physics majors (choose one): Final Year Project AY 15 Industry Team Project AY 15 Communicating Physics Project AY 15 Vertically Integrated Project AY 15		
Environment	No Environment units in Year 1	SC22003 Environmental Science & Sustainability [c] AY 10	State of the Planet [c] S1 5 Renewable Energy [c] S1 5 Global Challenges: water [c] S2 5 The transition to Sustainability [c] S2 5	No MSci with environment major/minor	No MSci with environment major/minor
			Final Year Dissertation for Environment majors Environmental Sciences dissertation [c] AY 15		
Non-Science:					
Maths	MA12029 Mathematical methods for the life scienc AY 10	MA22034 Mathematical methods for the life sciences 2 S1 5 MA22035 Mathematical Biology: ecology and epidemiol S2 5	Mathematical modelling S1 5 Mathematical Biology: biomedical applications S2 5		
Management	MN12001 Organisational behaviour S1 5 MN12002 Introduction to accounting S2 5	MN22156 Digital Business innovation S1 5 MN22171 Marketing S2 5	Business Strategy S2 5		
Psychology	PS12001 Mind, brain and Behaviour AY 10	PS22007 Cognitive neuroscience AY 10	Contemporary Educational Psychology S1 5 Affective neuroscience S2 5		
Education	No units offered in Year 1	No units offered in year 2	Science Education In Practice S1 5 Issue in Science Education S2 5	Director of Studies Approved Unit S1 and/or S2 5	
			Director of Studies Approved Unit S1 and/or S2 5		