

	YR1	YR2	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	SC32004 Contemporary Interdisciplinary Science [c] AY 5	
Biochemistry	SL12001 Biochemistry [c] AY 10	SL22016 Protein Structure and Analysis [c] (10-credit option cont.) AY 10	SL32025 Protein Synthesis, Folding, Structure-Function & Turnover [c] AY 10	SL52127 Advances in Biosciences for Natural Sciences (CH maj/min) AY 10
	SL12002 Cell Biology [c] AY 10	SL22015 Molecular Biochemistry*** AY 10	SL32055 Developmental and stem cell biology %:1 ## AY 10	or (semester opposite to chosen PA units)
		SL22041 Gene Regulation and Vertebrate Development*** AY 10	SL32056 Advanced Molecular & Medical Neuroscience ## AY 10	SL52125 Advances in Biosciences for Natural Sciences (PA minor) S1 or S2 10
		SL22044 Neuroscience*** AY 10	SL32071 Entrepreneurial Biotechnology ## AY 10	
	SL12001 can be taken (alone) as an optional unit on Chemistry and Pharmacology	***choose between 10 and 20 credits	SL32065 Current Topics in Bioscience (Take 1 Topic) ## S1 5	Final Year Project for Biochemistry majors:
	SL12001 Biochemistry AY 10	Continuation of 10-credit optional stream	SL32066 Current Topics in Bioscience (Take 1 Topic) ## S2 5	SL52124 Advanced capstone project for Natural Sciences AY 30
		SL22016 Protein Structure and Analysis AY 10	#choose 15 credits	
Biology	SL12007 Biodiversity [c] AY 10	SL22018 Evolution & Phylogeny \$ AY 10	SL32075 Micro and Macro Evolution \$\$ AY 10	SL52127 Advances in Biosciences for Natural Sciences (CH maj/min) AY 10
	SL12008 Principles of Ecology & Evolution [c] AY 10	SL22046 Plant Infection & Immunity \$ S1 5	SL32064 Conservation & Global Change Biology \$\$ AY 10	or
		SL22048 Plant Signalling & Development \$ S2 5	SL32163 Microbiomes and One Health \$\$ AY 10	SL52034 Advances in Biosciences (PH minor) AY 20
		SL22038 Behavioural Ecology \$ S1 5	SL32065 Current Topics in Bioscience (Take 1 Topic) \$\$ S1 5	or (semester opposite to chosen PA units)
		SL22043 Modern Methods in Biology % \$ S2 5	SL32164 Plant Biotechnology and the Environment \$\$ S2 5	SL52125 Advances in Biosciences for Natural Sciences (PA minor) S1 or S2 10
		SL22040 Field Course % \$ S2 5		or
		\$ choose between 20 and 30 credits	\$\$ choose between 20 and 35 credits (pathway dependent)	SL52126 Advances in Biosciences for Natural Sciences (PH major) S2 10
		% cannot choose both		
Chemistry	CH12002 Foundations and Applications of Chemistry AY 20	CH22008 Fundamental Concepts of Chemistry [c] AY 20	CH32050 Advanced Chemistry 1 (for Natural Sciences) [c] S1 10	CH52025 Advanced Chemistry 2 [c] * S1 10
			CH32019 Problems & Solutions in Modern Chemistry for Natural Sciences [c] S2 10	CH52029 21st century research challenges A [c] S2 10
			Project preparation for Chemistry majors only	*both compulsory for BC/Bio majors&minors & PH minor, PA minors choose 1, PH maj take S2
			CH32054 MSci laboratory [c] AY 10	Final Year Project for Chemistry majors:
				CH52060 MSci Research Project (Chemistry) AY 30
Pharmacology	SL12123 Fundamentals of pharmacology, health and # 10 credit version available as an option on some routes (SL12122) AY 20	SL22051 Central Nervous System Pharmacology [c] S1 5	No MSci option with Pharm major	No MSci majoring in Pharmacology
		SL22052 Drug Discovery & Experimental Pharmacology [c] S1 5	SL32030 Advanced Topics and Trends in Pharmacology [c] S1 10	SL52035 Advanced Drug Discovery [c] AY 10
		SL22138 Immunity and Immunotherapy [c] S2 10	SL32079 Advanced CNS Pharmacology #E S2 5	SL52094 Pharmacology dissertation ** S1 10
		or if taking Neuroscience in BC2	SL32083 Drug Targets in the Immune System #E S2 5	SL52090 Advanced CNS Pharmacology ** S2 5
		SL22053 Drug Discovery & Experimental Pharmacology [c] S1 5	SL32088 Trends in molecular signalling #E S2 5	SL52092 Drug Targets in the Immune System ** S2 5
		SL22138 Immunity and Immunotherapy [c] S2 10	SL32086 Molecular Biology of Cancer #E S2 5	SL52097 Trends in Molecular Signalling ** S2 5
		SL22050 Cardiovascular, Renal and PNS Pharmacology S2 5	SL32087 Pharmacology of Regenerative Medicine #E S2 5	SL52095 Molecular Biology of Cancer ** S2 5
		or 10-credit option (on some routes)	#E choose between 5 and 15 credits	SL52096 Pharmacology of Regenerative Medicine ** S2 5
		SL22051 Central Nervous System Pharmacology [c] S1 5		** Choose between 0 and 10 credits
		SL22050 Cardiovascular, Renal and PNS Pharmacology S2 5		
		or if taking Neuroscience in BC2		
		SL22052 Drug Discovery & Experimental Pharmacology [c] S1 5		
		SL22050 Cardiovascular, Renal and PNS Pharmacology S2 5		
Physics	PH12000 Foundations of Physics 1 [c] AY 20	PH22006 Foundations of Physics 2 [c] AY 20	PH32013 Advanced Quantum Mechanics [c] S1 5	PH52068 Advanced functional materials [c] S2 5
	PH12062 Mathematics for Physics (NB) 1 [c] AY 10	PH22010 Mathematics for Physics (NS) 2 [c] AY 10	PH32046 Electronic & Optical Properties of Matter [c] S1 5	PH52059 Fibre photonics [c] S2 5
			PH32056 Photonics [c] S1 5	PH52060 Nanoscience [c] S2 5
				PH52061 Non-linear and quantum optics [c] S2 5
			PH32050 Laser Physics ** S2 5	PH52026 MPhys/MSci research project S1 30
			PH32054 Networks & Quantum Information ** S2 5	
			PH32021 Symmetry & Topology ** S2 5	
			PH32051 Magnetism & Superconductivity ** S2 5	
			PH32057 Sustainable Energy Technologies ** S2 5	
			Project preparation for Physics majors only	
			PH32053 MPhys/MSci Laboratory * AY 10	
			PH32047 Computational Physics * AY 10	
			* choose 10 credits	
			PH32017 MPhys/MSci project preparation [c] S2 5	
Environment	No Environment units in Year 1	SC22003 Environmental Science & Sustainability [c] AY 10	No MSci with environment major/minor but can be taken as options	No MSci with environment major/minor
			SC32006 State of the Planet [c] S1 5	
			SC32008 Global Challenges: water [c] S2 5	
			SC32009 The Transition to Sustainability [c] S2 5	
			and one (depending on pre-req) of	
			MA32060 Mathematics of Planet Earth (requires MA22034 or PH22010) S2 5	
			CH32102 Energy Materials for Nat Sci (requires CH22008) S1 5	
			PH32047 Environmental Physics (requires PH12002) S1 5	
			PH32057 Sustainable Energy Technologies (requires PH32046) S2 5	
			SL320164 Plant Biotechnology and the Environment (no pre-req) S2 5	
Non-Science:				
Maths	MA12029 Mathematical methods for the life science AY 10	MA22034 Mathematical methods for the life sciences 2 S1 5	MA32059 Mathematical modelling S1 5	
		MA22035 Mathematical Biology: ecology and epidemiology S2 5	MA32058 Mathematical Biology: biomedical applications S2 5	
Management	MN12001 Organisational behaviour S1 5	MN22156 Digital Business innovation S1 5	MN32184 Business Strategy S2 5	
	MN12002 Introduction to accounting S2 5	MN22171 Marketing S2 5		
Psychology	PS12001 Mind, brain and Behaviour AY 10	PS22007 Cognitive neuroscience AY 10	PS32014 Contemporary Educational Psychology S1 5	
			PS32024 Emotion Science S2 5	
Education	No units offered in Year 1	No units offered in Year 2	ED32015 Science Education in Practice S1 5	
			ED32014 Issues in Science Education S2 5	
			Director of Studies Approved Unit S1 and/or S2 5	