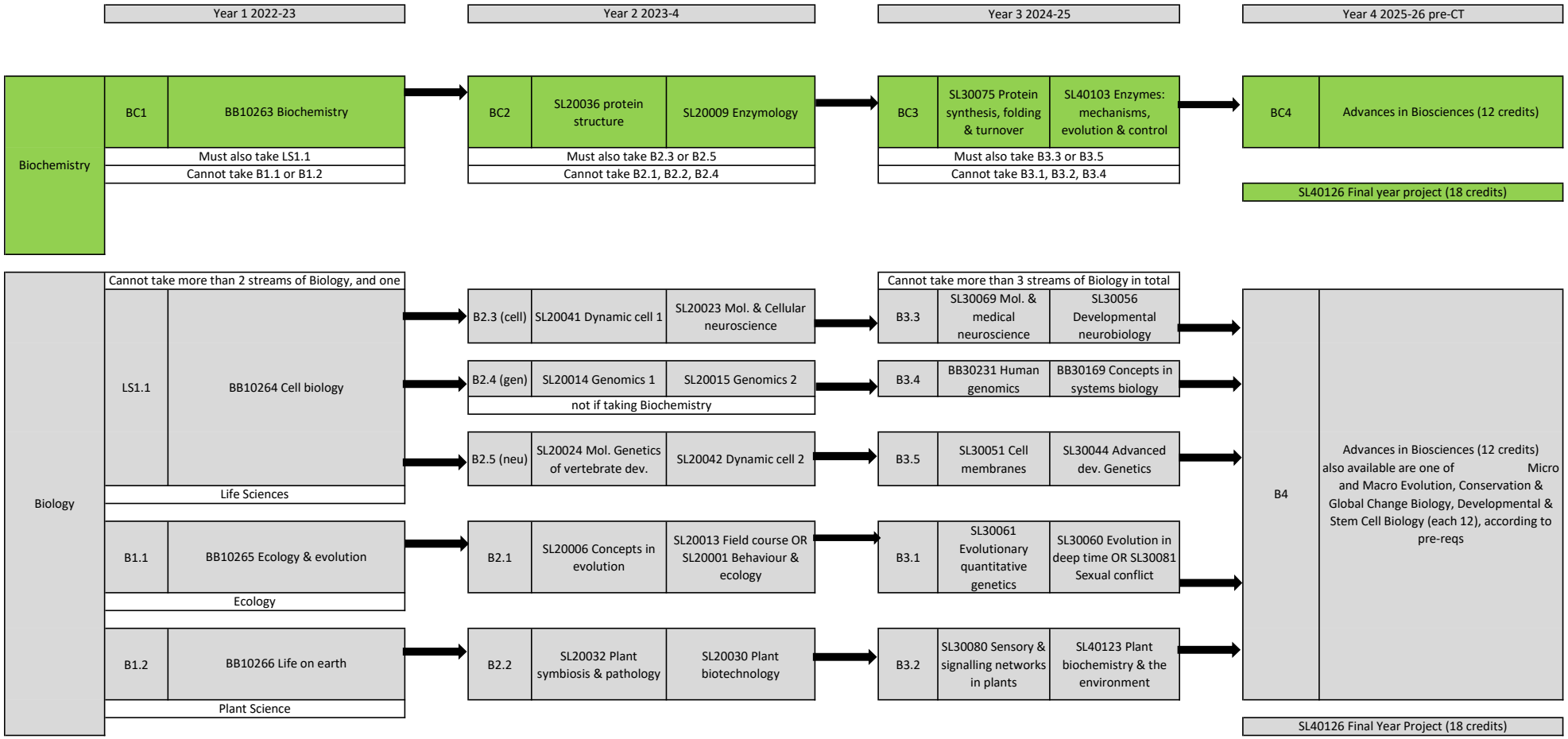
Year 1 2022-23
Year 2 2023-4
Year 3 2024-25
Year 4 2025-26 pre-CT
Biochemistry
BC1
BB10263 Biochemistry
Must also take LS1.1
Cannot take B1.1 or B1.2
BC2
SL20036 protein structure
SL20009 Enzymology
Must also take B2.3 or B2.5
Cannot take B2.1, B2.2, B2.4
BC3
SL30075 Protein synthesis, folding & turnover
SL40103 Enzymes: mechanisms, evolution & control
Must also take B3.3 or B3.5
Cannot take B3.1, B3.2, B3.4
BC4
Advances in Biosciences (12 credits)
SL40126 Final year project (18 credits)
Biology
Cannot take more than 2 streams of Biology, and one
LS1.1
BB10264 Cell biology
Life Sciences
B1.1
BB10265 Ecology & evolution
Ecology
B1.2
BB10266 Life on earth
Plant Science
B2.3 (cell)
SL20041 Dynamic cell 1
SL20023 Mol. & Cellular neuroscience
B2.4 (gen)
SL20014 Genomics 1
SL20015 Genomics 2
not if taking Biochemistry
B2.5 (neu)
SL20024 Mol. Genetics of vertebrate dev.
SL20042 Dynamic cell 2
B2.1
SL20006 Concepts in evolution
SL20013 Field course OR SL20001 Behaviour & ecology
B2.2
SL20032 Plant symbiosis & pathology
SL20030 Plant biotechnology
Cannot take more than 3 streams of Biology in total
B3.3
SL30069 Mol. & medical neuroscience
SL30056 Developmental neurobiology
B3.4
BB30231 Human genomics
BB30169 Concepts in systems biology
B3.5
SL30051 Cell membranes
SL30044 Advanced dev. Genetics
B3.1
SL30061 Evolutionary quantitative genetics
SL30060 Evolution in deep time OR SL30081 Sexual conflict
B3.2
SL30080 Sensory & signalling networks in plants
SL40123 Plant biochemistry & the environment
B4
Advances in Biosciences (12 credits) also available are one of Micro and Macro Evolution, Conservation & Global Change Biology, Developmental & Stem Cell Biology (each 12), according to pre-reqs
SL40126 Final Year Project (18 credits)

	Year 1 2022-23	Year 2 2023-4	Year 3 2024-25	Year 4 2025-26 pre-CT
Chemistry	Cannot take more than 2 streams of Chemistry in			
	C1.1 CH10135 Fundamentals of Organic Chemistry	C2.1 CH20150 Organic synthesis etc. for Nat Sci	C3.1 CH30128 Topics in organic chemistry; CH30235 Organic chemistry of biomolecules; Choose 2: CH30211 Chemistry beyond the molecule, CH30065 Biosynthesis & Biotransformation, CH30230 DNA & the modern world	C4.1 CH40206 Topics in organic chemistry 2; CH40098 Techniques in drug discovery; CH40037 Synthesis of medicinal compounds; CH40068 Physical organic chemistry
	C1.2 CH10133 Atomic structure, bonding & the periodic table	C2.2 CH20148 Inorganic synthesis etc. for Nat Sci	C3.2 CH30127 topics in inorganic chemistry; CH30203 Radiochemistry; CH30231 Porous materials; CH30086 Inorganic chemistry in biological systems	C4.2 CH40205 Topics in inorganic chemistry 2; CH40155 Advanced structural methods; CH40162 Advanced organometallic chemistry; CH40212 Contemporary main group chemistry
	C1.3 CH10137 From molecule to materials	C2.3 CH20152 Principles of physical chemistry for Nat Sci	C3.3 CH30129 Topics in physical chemsitry 1; CH30218 Analytical chemistry for Nat Sci; CH30239 Intro to computational chemistry for Nat Sci; CH30227 Advanced spectroscopic techniques	C4.3 CH40207 Topics in physical chemistry 2; CH40222 Advanced theoretical methods; CH40158 Chemistry of functional materials; CH40220 Chemical thermodynamics in context
			C3.4 CH30186 Lab chemistry for Nat Sci; CH30187 Lab chemistry for Nat Sci	C4.4 CH40165 Chemistry research 1 (24 credits)
			Only take C3.4 if you plan to take C4.4 in final year	CH40196 Chemistry research project (12 credits)
Maths	M1.1 PH10007 Mathematical methods for Physics	M2.1 PH20107 Mathematical methods for Physics 2	M3.1 PH30031 Simulation techniques; PH30025 Mathematical methods	
	Must have A Level Maths & be taking Physics options	This stream for students taking Physics		
	M1.2 MA10201 Modelling the dynamics of life 1; MA10202 Modelling the dynamics of life 2	M2.2 XX20231 Mathematical & Statistical methods	M3.3 MA30047 Mathematical biology 1; MA30063 Mathematical biology 2	
	Can take only one stream of Maths			

	Year 1 2022-23			Year 2 2023-4			Year 3 2024-25			Year 4 2025-26 pre-CT		
Physics	P1.1	PH10002 properties of matter	PH10006 Electricity & magnetism,	P2.1	PH20060 Quantum & atomic physics	PH20061 Electromagnet. 1	P3.1	PH30030 Quantum mechanics	PH30077 Electromagnetism 2	P4.1	PH40024 Contemporary physics	Choose 2: PH40084 Advanced quantum theory, PH40086 Photonics, PH40085 Nanoscience
		PH10005 Vibrations, waves & optics	PH10001 Intro to quantum physics		PH20067 Thermal Physics	PH20063 Condensed matter physics 1		PH30028 Condensed matter physics 2 OR PH30035 Medical physics	Choose 2 x 3credist from: PH30098 Networks, PH3008 Magnetism, PH30079 Superconductivity OR choose 1 x 6 credits from: PH20018 Programming skills, PH30032 Laser physics			
							P3.2	PH30028 Condensed matter 2	PH30089 Mphys/Msci laboratory	P4.2	PH40065 Final Year Project (18 credits)	
								PH30035 Medical physics		Final year Physics majors must take 36 credits in (P4.1 and P4.2)		
							Physics majors take P3.12 and P3.2. Physics minors take P3.1 only					
Pharmacology	LS1.1	BB10264 Cell biology		Can take B2.3, B2.4, B2.5 in Year 2								
	PC1.1	PA10315 Fundamental of physiology & pharmacology for Nat Sci		PC2	SL20021 Intro to practical pharm, (3 credits) AND SL20008 Drug discovery (3 credits) DOUBLE ONLY	SL20012 Experimental Pham for Nat Sci (DOUBLE ONLY) OR SL20018 Infection & Immunity for Nat Sci (SINGLE stream choice) (DOUBLE OR SINGLE)	PC3	SL30045 Advanced, topics, trends & techniques OR SL30076 Recent advances in drug discovery OR SL30070 Molecular applications	Choose 1: SL30052, CNS, SL30050 CVS, SL30086 Cancer, SL30058 Immunology, SL30087 Molecular signalling, SL30072 Regenerative medicine	choose 12 or 24, different to PC3	MSci dissertation (6), Advanced topics & trends* (6)	Choose 1 or 2 of 6-credit: Advanced CNS Pharmacology*, Molecular Biology of Cancer*, Molecular signalling*, Drug targets in the immune system*, Regenerative medicine*
					SL20028 Pharm. of the central nervous system (6 credits) SINGLE STREAM	SL20004 Cardiovascular & autonomic pharm. (SINGLE stream choice)				Cannot major in Pharmacology on MSci		
										*if you took the SL3 version of this unit, you cannot take the SL4 version		

	Year 1 2022-23			Year 2 2023-4			Year 3 2024-25			Year 4 2025-26 pre-CT		
Environment	(no units in Year 1)			ENV2.1	XX20239 Intro to env. sciences & sustainability		ENV3	Choose 1: XX30001 Renewable energy, XX30172 State of the planet,	Choose 1 XX30252 Transition to sustainability, XX30213 Global challenges: water	No Environment units in final year		
							choose 1 each semester					
Non-science	ED1	(no S1 unit)	ED10002 Learning theory & content	ED2	ED20003 Education in society	ED20126 Educational psychology	ED3	ED30005 Science education practice	ED30006 Issues in science education	MSci students cannot take a non-science subject in their final year		
	MN1	MN10545 organisational behaviour	MN10248 Intro to business accounting	MN2	MN20072 Managing human resources	MN20073 Marketing	MN3	MN20074 Digital Business innovation	MN30076 Business strategy	ZZ	DoS approved unit	DoS approved unit
	PS1	PS10086 Mind & behaviour		PS2	PS20167 Cognitive neuroscience		PS3	PS30115 Contemporary educational psychology	PS30156 Emotion science			
							Must have taken PS1 and PS2					
							ZZ	DoS approved unit	DoS approved unit			