

| | YR1 | YR2 | BSc YR3 | MSci YR3 | YR4 | |
|----------------|---|---|---|---|--|--|
| | [c] = compulsory unit for the subject stream | | | | | |
| Nat Sci | Nat Sci Portfolio 1 [c] AY 10 | Nat Sci Portfolio 2 [c] AY 10 | Contemporary Interdisciplinary Science [c] AY 5 | Contemporary Interdisciplinary Science [c] AY 5 | | |
| Biochemistry | Biochemistry [c] AY 10 | 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 | Advances in Biosciences for Natural Sciences [c] AY 10 | |
| | Cell Biology [c] AY 10 | Molecular Biochemistry** AY 10 | Advanced Developmental Genetics & Stem Cells %** AY 10 | Advanced Developmental Genetics & Stem Cells %1## AY 10 | | |
| | | Gene Regulation and Vertebrate Development*** AY 10 | Advanced Molecular & Medical Neuroscience **^ AY 10 | Advanced Molecular & Medical Neuroscience ## AY 10 | | |
| | | Neuroscience*** AY 10 | Entrepreneurial Biotechnology **^ AY 10 | Entrepreneurial Biotechnology ## AY 10 | | |
| | | ***choose between 10 and 20 credits | Current Topics in Bioscience (Take 1 Topic) **^ S1 5 | Current Topics in Bioscience (Take 1 Topic) ## S1 5 | | |
| | | | Current Topics in Bioscience (Take 1 Topic) **^ S2 5 | Current Topics in Bioscience (Take 1 Topic) ## S2 5 | | |
| | | | **choose between 0 and 10 credits | ##choose 15 credits | | |
| Biology | Biodiversity [c] AY 10 | Evolution & Phylogeny \$ AY 10 | Micro and Macro Evolution \$\$ AY 10 | Micro and Macro Evolution \$\$ AY 10 | Advances in Biosciences for Natural Sciences [c] AY 10 | |
| | Principles of Ecology & Evolution [c] AY 10 | Plant Infection & Immunity \$ S1 5 | Conservation & Global Change Biology \$\$ AY 10 | Conservation & Global Change Biology \$\$ AY 10 | | |
| | | Plant Signalling & Development \$ S2 5 | Science Education in Practice \$\$ S1 5 | Current Topics in Bioscience (Take 1 Topic) \$\$ S1 5 | Final Year Project for Biology majors: Advanced Capstone Project for Nat Sci (B&B) AY 30 | |
| | | Behavioural Ecology \$ S1 5 | Issues in Science Education \$\$ S2 5 | Current Topics in Bioscience (Take 1 Topic) \$\$ S2 5 | | |
| | | Modern Methods in Biology % \$ S2 5 | Current Topics in Bioscience (Take 1 Topic) \$\$ S1 5 | Science Education in Practice \$\$ S1 5 | | |
| | | Field Course % \$ S2 5 | Current Topics in Bioscience (Take 1 Topic) \$\$ S2 5 | Issues in Science Education \$\$ S2 5 | | |
| | | \$ choose between 20 and 30 credits | \$ choose 20 credits | | | |
| | | % cannot choose both | | | | |
| | | | Final Year Project for Biology majors Capstone Project S1 or S2 15 | | | |
| Chemistry | Foundations and Applications of Chemistry [c] AY 20 | Fundamental Concepts of Chemistry [c] AY 20 | Advanced Chemistry 1 for Natural Sciences *** S1 10 | Advanced Chemistry 1 (for Natural Sciences) [c] S1 10 | Advanced Chemistry II for Natural Sciences [c] S1 10 21st century research challenges for Natural Sciences [c] S2 10 | |
| | | | Problems & Solutions in Modern Chemistry for Natural Sciences *** S2 10 | Problems & Solutions in Modern Chemistry for Natural Sciences [c] S2 10 | | |
| | | | ***choose between 10 and 20 credits | | | |
| | | | Final Year Project for Chemistry majors: Chemistry Project AY 15 | | | |
| Pharmacology | The Healthy Body for Nat Sci [c] # AY 20 | Central Nervous System [c] S1 5 | Advanced Topics and Trends in Pharmacology [c] S1 10 | No MSci option with Pharm major | 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 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 | |
| | # 10 credit version available if Pharmacology is 5th stream | Drug Discovery & Experimental Pharmacology [c] S1 5 | Advanced CNS Pharmacology * S2 5 | Advanced Topics and Trends in Pharmacology [c] S1 10 | | |
| | | Infection and Immunity Pharmacology for Nat Sci [c] S2 10 | Drug Targets in the Immune System * S2 5 | Advanced CNS Pharmacology #E S2 5 | | |
| | | Cardiovascular, Renal and PNS Pharmacology S2 5 | Molecular Signaling * S2 5 | Drug Targets in the Immune System #E S2 5 | | |
| | | | Molecular Biology of Cancer * S2 5 | Molecular Signaling #E S2 5 | | |
| | | Regenerative Medicine * S2 5 | Molecular Biology of Cancer #E S2 5 | | | |
| | | * choose 10 credits | Regenerative Medicine #E S2 5 | | | |
| | | | #E choose between 5 and 15 credits | | | |
| | | | Final Year Dissertation for Pharmacology majors Pharmacology Dissertation AY 15 | | | |
| Physics | Foundations of Physics 1 [c] AY 20 | Foundations of Physics 2 [c] AY 20 | Advanced Quantum Mechanics \$ S1 5 | MPhys/MSci laboratory * AY 10 | Nanoscience [c] S2 5 Advanced functional materials [c] S2 5 Fibre photonics [c] S2 5 Non-linear and quantum optics [c] S2 5 | |
| | Mathematics for Physics (NS) 1 [c] AY 10 | Mathematics for Physics (NS) 2 [c] AY 10 | Electronic & Optical Properties of Matter \$ S1 5 | Computational Physics * AY 10 | | |
| | | | Nonlinear Physics \$ S1 5 | * choose 10 credits | | Final Year Project for Physics majors (choose one): MPhys/MSci research project S1 30 |
| | | | Statistical Physics & Soft Matter \$ S1 5 | Advanced Quantum Mechanics [c] S1 5 | | |
| | | | Medical Physics \$ S1 5 | Electronic & Optical Properties of Matter [c] S1 5 | | |
| | | | Photonics \$ S1 5 | Photonics [c] S1 5 | | |
| | | | Environmental Physics \$ S1 5 | MPhys/MSci project preparation [c] S2 5 | | |
| | | | Laser Physics \$ S2 5 | Laser Physics **^ S2 5 | | |
| | | | Networks & Quantum Information \$ S2 5 | Networks & Quantum Information **^ S2 5 | | |
| | | | Symmetry & Topology \$ S2 5 | Symmetry & Topology **^ S2 5 | | |
| | | | Magnetism & Superconductivity \$ S2 5 | Magnetism & Superconductivity **^ S2 5 | | |
| | | | Sustainable Energy Technologies \$ S2 5 | Sustainable Energy Technologies **^ S2 5 | | |
| | | | \$ Choose between 20 and 30 credits | **^ Choose between 0 and 10 credits | | |
| | | | | 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 | Environmental Science & Sustainability [c] AY 10 | State of the Planet [c] S1 5 | No MSci with environment major/minor | No MSci with environment major/minor | |
| | | | Renewable Energy [c] S1 5 | | | |
| | | | Global Challenges: water [c] S2 5 | | | |
| | | | The transition to Sustainability [c] S2 5 | | | |
| | | | Final Year Dissertation for Environment majors Environmental Sciences dissertation [c] AY 15 | | | |
| Non-Science: | | | | | | |
| Maths | Mathematical methods for the life sciences 1 AY 10 | Mathematical methods for the life sciences 2 S1 5 | Mathematical modelling S1 5 | | | |
| | | Mathematical Biology: ecology and epidemiology S2 5 | Mathematical Biology: biomedical applications S2 5 | | | |
| Management | Organisational behaviour S1 5 | Digital Business innovation S1 5 | Business Strategy S2 5 | | | |
| | Introduction to accounting S2 5 | Marketing S2 5 | | | | |
| Psychology | Mind and Behaviour AY 10 | 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 | Director of Studies Approved Unit S1 and/or S2 5 | | |
| | | | Issue in Science Education S2 5 | | | |
| | | | Director of Studies Approved Unit S1 and/or S2 5 | | | |