Science

Bachelor of Science (3970) - Handbook

2022 Commencing Students
Program Structure

Single Degree Mode

PROGRAM STRUCTURE	An approved Major	108 UOC	108 UOC	144 UOC
	Science Electives			
	Free Electives	24 UOC (4 courses)	36 UOC	
	General Education	12 UOC (2 courses)		

Dual Degree Mode

PROGRAM STRUCTURE	An approved Major	96 UOC	96 UOC	192 UOC (ADA / BUS) 240 UOC (LAW / ENG)
	Science Electives			
	Other Degree Courses	96 UOC (ADA or BUS) 144 UOC (LAW or ENG)		

Science Electives are courses taken from within the Faculty of Science or as defined here

Free Electives are courses from any Faculty at UNSW including Science, but cannot be GEN-branded courses

General Education must taken from courses that are not considered Science Electives

Science students cannot take GENS courses under any circumstance

Students in Single Degree Mode cannot complete more than 72 UoC of Level 1 courses including any GEN courses and Level 1 courses taken for General Education.

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Science

Bachelor of Science (3970)

2022 Commencing Students

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Science

Bachelor of Science (3970)

2022 Commencing Students – Single Degree – Major in Anatomy (ANATA1)

Choose from available proposed courses in each year

Year 1		
BABS1201 Molecules, Cells and Genes (T1, T3)	BIOS1101 Evolutionary and Functional Biology (T2)	6 UOC Science Elective
6 UOC Mathematics Level 1 Core (See notes 1)	6 UOC Free Elective	6 UOC Free Elective
CHEM1011 Chemistry 1A (T1, T2, T3) Or CHEM1031 Higher Chemistry 1A (T1)	6 UOC Free Elective	

Year 2		
ANAT2111 Introductory Anatomy (T1, T2)	ANAT2241 Histology: Basic and Systematic (T2)	6 UOC General Education
6 UOC Level 2 Prescribed Electives (See notes 2)	6 UOC General Education	6 UOC Free Elective
6 UOC Science Elective	6 UOC Level 2 Prescribed Electives (See notes 2)	

Year 3		
6 UOC Level 3 Prescribed Electives (See notes 3)	6 UOC Level 3 Prescribed Electives (See notes 3)	6 UOC Level 3 Prescribed Electives (See notes 3)
6 UOC Level 3 Prescribed Electives (See notes 3)	6 UOC Science Elective	6 UOC Science Elective
6 UOC Science Elective	6 UOC Science Elective	

NOTES

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See Program Structure on page 1 for a guide on the terminology and colour codes used in this progression plan.

Note 1: Mathematics Level 1 Core: MATH1041 (T1, T2, T3) or MATH1031 (T1, T3) or MATH1131 (T1, T2, T3) or MATH1141 (T1, T3) or MATH1151 (T1)
Note 2: Level 2 Prescribed Electives : ANAT2341 (T3), ANAT2521 (Summer, T2), PATH2201(T3), PHSL2101 (T1), PHSL2201 (T2)
Note 3: Level 3 Prescribed Electives : ANAT3121 (T1), ANAT3131 (T2), ANAT3141 (T3), ANAT3411 (T1), NEUR3211 (T3), SOMS3232 (T3)
Science Electives: See Handbook

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Science

Bachelor of Science (3970)

2022 Commencing Students – Double Degree – Major in Anatomy (ANATA1)

Choose from available proposed courses in each year

Year 1		
BABS1201 Molecules, Cells and Genes (T1, T3)	BIOS1101 Evolutionary and Functional Biology (T2)	Other Degree Course
6 UOC Mathematics Level 1 (See notes 1)	Other Degree Course	Other Degree Course
CHEM1011 Chemistry 1A (T1, T2, T3) Or CHEM1031Higher Chemistry 1A (T1)	Other Degree Course	

Year 2		
ANAT2111 Introductory Anatomy (T1, T2)	ANAT2241 Histology: Basic and Systematic (T2)	Other Degree Course
6 UOC Level 2 Prescribed Electives (See notes 2)	Other Degree Course	Other Degree Course
6 UOC Science Elective	6 UOC Level 2 Prescribed Electives (See notes 2)	

Year 3		
6 UOC Level 3 Prescribed Electives (See notes 3)	6 UOC Level 3 Prescribed Electives (See notes 3)	6 UOC Level 3 Prescribed Electives (See notes 3)
6 UOC Level 3 Prescribed Electives (See notes 3)	Other Degree Course	Other Degree Course
6 UOC Science Elective	Other Degree Course	

Year 4		
6 UOC Science Elective	Other Degree Course	Other Degree Course
6 UOC Science Elective	Other Degree Course	Other Degree Course
Other Degree Course	Other Degree Course	

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See Program Structure on page 1 for a guide on the terminology and colour codes used in this progression plan.

In double degrees with Law or Engineering, a further 48uoc of other faculty course must be studied in addition to what is pictured here (Year 5)

Note 1: Mathematics Level 1: MATH1041 (T1, T2, T3) or MATH1031 (T1, T3) or MATH1131 (T1, T2, T3) or MATH1141 (T1, T3) or MATH1151 (T1)
Note 2: Level 2 Prescribed Electives : ANAT2341 (T3), ANAT2521 (Summer, T2), PATH2201(T3), PHSL2101 (T1), PHSL2201 (T2)
Note 3: Level 3 Prescribed Electives : ANAT3121 (T1), ANAT3131 (T2), ANAT3141 (T3), ANAT3411 (T1), NEUR3211 (T3), SOMS3232 (T3)
Science Electives: See Handbook

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Science

Bachelor of Science (3970)

2022 Commencing Students – Single Degree – Major in Bioinformatics (BINFB1)

Choose from available proposed courses in each year

Year 1		
BABS1201 Moleules, Cells and Genes (T1, T3)	COMP1511 Programming Fundamentals (T1, T2, T3)	CHEM1021 (T1, T3) or CHEM1041 (T2)
MATH1131 (T1, T2, T3) or MATH1141 (T1, T3)	6 UOC Free Elective	MATH1231 (T1, T2, T3) or MATH1241 (T1, T2)
CHEM1011 (T1, T2, T3) or CHEM1031 (T1)	6 UOC Free Elective	

Year 2		
COMP2041 Software Construction: Techniques and Tools (T1)	BIOC2101 Principles of Biochemistry (Advanced) (T2)	BINF2010 Introduction to Bioinformatics (T3)
COMP2521 Data Structures and Algorithms (T1, T2, T3)	MATH2801 or MATH2901 (T2)	BIOC2201 Principles of Molecular Biology (Advanced) (T3)
6 UOC Free Elective	6 UOC General Education	

Year 3		
BABS3121 Molecular Biology of Nucleic Acids (T1)	BINF3010 Applied Bioinformatics (T2)	BABS3281 Molecular Frontiers (T3)
6 UOC Science Elective	6 UOC Science Elective	BINF3020 Computational Bioinformatics (T3)
6 UOC General Education	6 UOC Free Elective	

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See Program Structure for a guide to the colour key for courses.

Science Electives: See Handbook

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Science

Bachelor of Science (3970)

2022 Commencing Students – Double Degree – Major in Bioinformatics (BINFB1)

Choose from available proposed courses in each year

Year 1		
BABS1201 Molecules, Cells and Genes (T1, T3)	COMP1511 Programming Fundamentals (T1, T2, T3)	CHEM1021 (T1, T3) or CHEM1041 (T2)
MATH1131 (T1, T2, T3) or MATH1141 (T1, T3)	Other Degree Course	MATH1231 (T1, T2, T3) or MATH1241 (T1, T2)
CHEM1011 (T1, T2, T3) or CHEM1031 (T1)	Other Degree Course	

Year 2		
COMP2041 Software Construction: Techniques and Tools (T1)	BIOC2101 Principles of Biochemistry (Advanced) (T2)	BINF2010 Introduction to Bioinformatics (T3)
COMP2521 Data Structures and Algorithms (T1, T2, T3)	MATH2801 or MATH2901 (T2)	BIOC2201 Principles of Molecular Biology (Advanced) (T3)
Other Degree Course	Other Degree Course	

Year 3		
BABS3121 Molecular Biology of Nucleic Acids (T1)	BINF3010 Applied Bioinformatics (T2)	BABS3281 Molecular Frontiers (T3)
Other Degree Course	Other Degree Course	BINF3020 Computational Bioinformatics (T3)
Other Degree Course	Other Degree Course	

Year 4		
Other Degree Course	Other Degree Course	Other Degree Course
Other Degree Course	Other Degree Course	Other Degree Course
Other Degree Course		

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See Program Structure on page 1 for a guide on the terminology and colour codes used in this progression plan.

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Science

Bachelor of Science (3970)

2022 Commencing Students – Single Degree – Major in Biology (BIOSJ1)

Choose from available proposed courses in each year

Year 1		
BIOS1301 Ecology, Sustainability and Environmental Science (T1)	BIOS1101 Evolutionary and Functional Biology (T2)	BEES1041 Exploring the Natural World (T3)
BABS1201 Molecules, Cells and Genes (T1, T3)	MATH1041 Stats for Life & Social Sciences (T1, T2, T3)	6 UOC Science Elective
6 UOC Free Elective	6 UOC Free Elective	

Year 2		
BEES2041 Data Analysis for Life and Earth Sciences (T1)	6 UOC Level 2 Prescribed Elective (See Note 1)	6 UOC Level 2 Prescribed Elective (See Note 1)
6 UOC Level 2 Prescribed Elective (See Note 1)	6 UOC Science Elective	6 UOC Science Elective
6 UOC Free Elective	6 UOC General Education	

Year 3		
BIOS3171 Evolution (T3)	6 UOC Level 3 Prescribed Elective (See Note 2)	6 UOC Level 3 Prescribed Elective (See Note 2)
6 UOC Level 3 Prescribed Elective (See Note 2)	6 UOC Science Elective	6 UOC Science Elective
6 UOC Free Elective	6 UOC General Education	

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Note 1: Level 2 Prescribed Electives: BIOS2011 (T1), BIOS2500 (T2), BIOS2061 (T2), BIOS2031 (T3), BIOS2051 (T3), BIOS2123 (T3),
Note 2: Level 3 Prescribed Electives: GEOS3911 (T1), BIOS3601 (T1), BIOS3081 (T1), BIOS6723 (T2), BEES3041 (T2), BIOS3011 (T2), BIOS3061 (T2), BIOS3161 (T2), BIOS3221 (T3), BIOS6671 (T3)

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Science

Bachelor of Science (3970)

2022 Commencing Students – Double Degree – Major in Biology (BIOSJ1)

Choose from available proposed courses in each year

Year 1		
BIOS1301 Ecology, Sustainability and Environmental Science (T1)	BIOS1101 Evolutionary and Functional Biology (T2)	BEES1041 Exploring the Natural World (T3)
BABS1201 Molecules, Cells and Genes (T1, T3)	Other Degree Course	Other Degree Course
Other Degree Course	Other Degree Course	

Year 2		
BEES2041 Data Analysis for Life and Earth Sciences (T1)	6 UOC Level 2 Prescribed Elective (See Note 1)	6 UOC Level 2 Prescribed Elective (See Note 1)
MATH1041 Stats for Life & Social Science (T1, T2, T3)	Other Degree Course	Other Degree Course
Other Degree Course	Other Degree Course	

Year 3		
BIOS3171 Evolution (T3)	6 UOC Level 3 Prescribed Elective (See Note 2)	6 UOC Level 3 Prescribed Elective (See Note 2)
6 UOC Level 2 Prescribed Elective (See Note 1)	Other Degree Course	Other Degree Course
Other Degree Course	Other Degree Course	

Year 4		
6 UOC Science Elective	6 UOC Science Elective	6 UOC Science Elective
6 UOC Level 3 Prescribed Elective (See Note 2)	Other Degree Course	Other Degree Course
Other Degree Course	Other Degree Course	

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Note 1: Level 2 Prescribed Electives: BIOS2011 (T1), BIOS2500 (T2), BIOS2061 (T2), BIOS2031 (T3), BIOS2051 (T3), BIOS2123 (T3),
Note 2: Level 3 Prescribed Electives: GEOS3911 (T1), BIOS3601 (T1), BIOS3081 (T1), BIOS6723 (T2), BEES3041 (T2), BIOS3011 (T2), BIOS3061 (T2), BIOS3161 (T2), BIOS3221 (T3), BIOS6671 (T3)

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Science

Bachelor of Science (3970)

2022 Commencing Students – Single Degree – Major in Biotechnology (BIOTA1)

Choose from available proposed courses in each year

Year 1		
BABS1201 Molecules, Cells and Genes (T1, T3)	BABS1202 Applied Biomolecular Sciences (T2)	6 UOC Science Elective
CHEM1011 (T1, T2, T3) or CHEM1031 (T1)	CHEM1021 (T1, T2, T3) or CHEM1041 (T2)	6 UOC Free Elective
MATH1031 (T1, T3) or MATH1131 (T1, T2, T3) or MATH1141 (T1, T3)	MATH1041 (T1, T2, T3) or MATH1231 (T1, T2, T3) or MATH1241 (T1, T2)	

Year 2		
BABS2011 Current Trends in Biotechnology (T1)	BIOC2101 Principles of Biochemistry (Advanced) (T2)	BIOC2201 Principles of Molecular Biology (Advanced) (T3)
MICR2011 Microbiology 1 (T1)	6 UOC Science Elective	6 UOC General Education
6 UOC Science Elective	6 UOC Free Elective	

Year 3		
BABS3071 Commercial Biotechnology (T1)	BABS3031 Biotechnology and Bioengineering (T2)	BABS3061 Medical Biotechnology (T3)
6 UOC Science Elective	6 UOC General Education	BABS3200 Synthetic Biology (T3)
6 UOC Free Elective	6 UOC Free Elective	

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Science

Bachelor of Science (3970)

2022 Commencing Students – Double Degree – Major in Biotechnology (BIOTA1)

Choose from available proposed courses in each year

Year 1		
BABS1201 Molecules, Cells and Genes (T1, T3)	BABS1202 Applied Biomolecular Sciences (T2)	Other Degree Course
CHEM1011 (T1, T2, T3) or CHEM1031 (T1)	CHEM1021 (T1, T2, T3) or CHEM1041 (T2)	Other Degree Course
MATH1031 (T1, T3) or MATH1131 (T1, T2, T3) or MATH1141 (T1, T3)	MATH1041 (T1, T2, T3) or MATH1231 (T1, T2, T3) or MATH1241 (T1, T2)	

Year 2		
BABS2011 Current Trends in Biotechnology (T1)	BIOC2101 Principles of Biochemistry (Advanced) (T2)	BIOC2201 Principles of Molecular Biology (Advanced) (T3)
MICR2011 Microbiology 1 (T1)	Other Degree Course	Other Degree Course
Other Degree Course	Other Degree Course	

Year 3		
BABS3071 Commercial Biotechnology (T1)	BABS3031 Biotechnology and Bioengineering (T2)	BABS3061 Medical Biotechnology (T3)
Other Degree Course	Other Degree Course	BABS3200 Synthetic Biology (T3)
Other Degree Course	Other Degree Course	

Year 4		
6 UoC Science Elective	6 UoC Science Elective	Other Degree Course
Other Degree Course	Other Degree Course	Other Degree Course
Other Degree Course	Other Degree Course	

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Science

Bachelor of Science (3970)

2022 Commencing Students – Single Degree – Major in Chemistry (CHEMA1)

Choose from available proposed courses in each year

Year 1		
MATH1031 (T1, T3) or MATH1131 (T1, T2, T3) or MATH1141 (T1, T3)	MATH1041 (T1, T2, T3) or MATH1231 (T1, T2, T3) or MATH1241 (T1, T2)	6 UOC Science Elective
PHYS1111 (T1, T3) or PHYS1121 (T1, T2, T3) or PHYS1131 (T1, T2, T3)	CHEM1021 (T1, T2, T3) or CHEM1041 (T2)	6 UOC General Education
CHEM1011 (T1, T2, T3) or CHEM1031 (T1)	6 UOC Science Elective	

Year 2		
CHEM2041 Analytical Chemistry: Essential Methods (T1, T3)	CHEM2011 Physical Chemistry: Molecules, Energy and Change (T2)	CHEM2031 Inorganic Chemistry: The Elements (T3)
6 UOC Science Elective	CHEM2021 Organic Chemistry: Mechanisms and Biomolecules (T2)	6 UOC Free Elective
6 UOC Science Elective	6 UOC General Education	

Year 3		
6 UOC Level 3 Prescribed Elective	6 UOC Level 3 Prescribed Elective	6 UOC Level 3 Prescribed Elective
6 UOC Level 3 Prescribed Elective	6 UOC Science Elective	6 UOC Free Elective
6 UOC Free Elective	6 UOC Free Elective	

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See Program Structure on page 1 for a guide on the terminology and colour codes used in this progression plan.
Level 3 Prescribed Electives: CHEM3021 (T1), CHEM3061 (T1), CHEM3031 (T2), CHEM6041 (T2), CHEM3071 (T3), CHEM3011 (T3)

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Science

Bachelor of Science (3970)

2022 Commencing Students – Double Degree – Major in Chemistry (CHEMA1)

Choose from available proposed courses in each year

Year 1		
MATH1031 (T1, T3) or MATH1131 (T1, T2, T3) or MATH1141 (T1, T3)	MATH1041 (T1, T2, T3) or MATH1231 (T1, T2, T3) or MATH1241 (T1, T2)	Other Degree Course
PHYS1111 (T1, T3) or PHYS1121 (T1, T2, T3) or PHYS1131 (T1, T2, T3)	CHEM1021 (T1, T2, T3) or CHEM1041 (T2)	Other Degree Course
CHEM1011 (T1, T2, T3) or CHEM1031 (T1)	Other Degree Course	

Year 2		
CHEM2041 Analytical Chemistry: Essential Methods (T1, T3)	CHEM2011 Physical Chemistry: Molecules, Energy and Change (T2)	CHEM2031 Inorganic Chemistry: The Elements (T3)
Other Degree Course	CHEM2021 Organic Chemistry: Mechanisms and Biomolecules (T2)	Other Degree Course
Other Degree Course	Other Degree Course	

Year 3		
6 UOC Level 3 Prescribed Elective	6 UOC Level 3 Prescribed Elective	6 UOC Level 3 Prescribed Elective
6 UOC Level 3 Prescribed Elective	Other Degree Course	Other Degree Course
Other Degree Course	Other Degree Course	

Year 4		
6 UOC Science Elective	6 UOC Science Elective	6 UOC Science Elective
Other Degree Course	Other Degree Course	Other Degree Course
Other Degree Course	Other Degree Course	

NOTES

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See Program Structure on page 1 for a guide on the terminology and colour codes used in this progression plan.

In double degrees with Law or Engineering, a further 48uoc of other faculty course must be studied in addition to what is pictured here (Year 5)

Level 3 Prescribed Electives: CHEM3021 (T1), CHEM3061 (T1), CHEM3031 (T2), CHEM6041 (T2), CHEM3071 (T3), CHEM3011 (T3)

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Science

Bachelor of Science (3970)

2022 Commencing Students – Single Degree – Major in Earth Science (GEOLS1)

Choose from available proposed courses in each year

Year 1		
GEOS1211 Earth and Environmental Science (T1)	6 UOC Science Elective	GEOS1111 Investigating Earth and Its Evolution (T3)
MATH1041 Statistics for Life and Social Sciences (T1, T2, T3)	6 UOC Science Elective	BEES1041 Exploring the Natural World (T3)
6 UOC Free Elective	6 UOC Free Elective	

Year 2		
BEES2041 Data Analysis for Life and Earth Sciences (T1)	GEOS2181 Earth Materials (T2)	GEOS2131 Field Methods and Mapping (T3)
6 UOC Level 2 Prescribed Elective (See Note 1)	GEOS2821 Introduction to GIS and Remote Sensing (T2)	6 UOC Science Elective
6 UOC Free Elective	6 UOC General Education	

Year 3		
GEOS3171 Earth Structures (T1)	6 UOC Earth Science Elective Level 3 (See Notes 3)	GEOS3141 Mineral and Energy Resources (T3)
6 UOC Level 3 Prescribed Elective (See Note 2)	6 UOC Science Elective	6 UOC Science Elective
6 UOC Free Elective	6 UOC General Education	

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See Program Structure on page 1 for a guide on the terminology and colour codes used in this progression plan.

Note 1: Level 2 Earth Science Prescribed Electives: GEOS2291 (T1), BEES2741 (T2), MERE2001 (T2), MERE2002 (T2), GEOS2721 (T3)
Note 2: Level 3 Earth Science Prescribed Electives: GEOS3821 (T1), GEOS3911 (T1), GEOS3281 (T2), GEOS3761 (T2), BEES6741 (T3)

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Science

Bachelor of Science (3970)

2022 Commencing Students – Double Degree – Major in Earth Science (GEOLS1)

Choose from available proposed courses in each year

Year 1		
GEOS1211 Earth and Environmental Science (T1)	Other Degree Course	GEOS1111 Investigating Earth and Its Evolution (T3)
MATH1041 Statistics for Life and Social Sciences (T1, T2, T3)	Other Degree Course	BEES1041 Exploring the Natural World (T3)
Other Degree Course	Other Degree Course	

Year 2		
BEES2041 Data Analysis for Life and Earth Sciences (T1)	GEOS2181 Earth Materials (T2)	GEOS2131 Field Methods and Mapping (T3)
6 UOC Science Elective	Other Degree Course	Other Degree Course
Other Degree Course	Other Degree Course	

Year 3		
6 UOC Level 2 Prescribed Elective (See Note 1)	GEOS2821 Introduction to GIS and Remote Sensing (T2)	GEOS3141 Mineral and Energy Resources (T3)
6 UOC Science Elective	Other Degree Course	Other Degree Course
Other Degree Course	Other Degree Course	

Year 4		
GEOS3171 Earth Structures (T1)	6 UOC Level 3 Prescribed Elective (See Note 2)	6 UOC Level 3 Prescribed Elective (See Note 2)
6 UOC Science Elective	Other Degree Course	Other Degree Course
Other Degree Course	Other Degree Course	

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In double degrees with Law or Engineering, a further 48uoc of other faculty course must be studied in addition to what is pictured here (Year 5)

Note 1: Level 2 Earth Science Prescribed Electives: GEOS2291 (T1), BEES2741 (T2), MERE2001 (T2), MERE2002 (T2), GEOS2721 (T3)
Note 2: Level 3 Earth Science Prescribed Electives: GEOS3821 (T1), GEOS3911 (T1), GEOS3281 (T2), GEOS3761 (T2), BEES6741 (T3)

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Science

Bachelor of Science (3970)

2022 Commencing Students – Single Degree – Major in Ecology (BIOSG1)

Choose from available proposed courses in each year

Year 1		
BIOS1301 Ecology, Sustainability & Environmental Science (T1)	GEOS1701 Environmental Systems, Processes & Issues (T2)	BEES1041 Exploring the Natural World (T3)
MATH1041 Stats for Life & Social Sciences (T1, T2, T3)	BIOS1101 Evolutionary & Functional Biology (T2)	6 UOC Science Elective
6 UOC Free Elective	6 UOC Free Elective	

Year 2		
BEES2041 Data Analysis for Life and Earth Sciences (T1)	GEOS2711 Australian Climate and Vegetation (T2)	6 UOC Level 2 Prescribed Elective (See Notes 1)
BIOS2011 Evolutionary and Physiological Ecology (T1)	6 UOC Science Elective	6 UOC Science Elective
6 UOC Free Elective	6 UOC General Education	

Year 3		
BIOS3601 Advanced Field Biology (T1)	6 UOC Level 3 Prescribed Elective (See Notes 2)	BIOS6671 Biodiversity and Conservation of Natural Resources (T3)
6 UOC Science Elective	6 UOC Science Elective	BIOS3061 Plant Ecology (T3)
6 UOC Free Elective	6 UOC General Education	

NOTES

This is intended as a guide only. Courses do not need to be studied in the exact structure that they appear here.

See Program Structure on page 1 for a guide on the terminology and colour codes used in this progression plan.

Note 1: Level 2 Ecology Prescribed Electives: BIOS2061 (T2), GEOS2821 (T2), BIOS2031 (T3), BIOS2051 (T3), BIOS2123 (T3),

- **Students who wish to take GEOS2821 are required to take one of GEOS1111 OR GEOS1211 as a science elective.**

Note 2: Level 3 Ecology Prescribed Electives: GEOS3911 (T1), BIOS3081 (T1), BIOS3161 (T1), BEES3041 (T2), BIOS3011 (T2), BIOS6723 (T2), BIOS3171 (T3)

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Science

Bachelor of Science (3970)

2022 Commencing Students – Double Degree – Major in Ecology (BIOSG1)

Choose from available proposed courses in each year

Year 1		
BIOS1301 Ecology, Sustainability & Environmental Science (T1)	GEOS1701 Environmental Systems, Processes & Issues (T2)	BEES1041 Exploring the Natural World (T3)
Other Degree Course	BIOS1101 Evolutionary & Functional Biology (T2)	Other Degree Course
Other Degree Course	Other Degree Course	

Year 2		
BIOS2011 Evolutionary and Physiological Ecology (T1)	GEOS2711 Australian Climate and Vegetation (T2)	6 UOC Level 2 Prescribed Elective (See Notes 1)
MATH1041 Stats for Life & Social Sciences (T1, T2, T3)	Other Degree Course	Other Degree Course
Other Degree Course	Other Degree Course	

Year 3		
BEES2041 Data Analysis for Life and Earth Sciences (T1)	6 UOC Level 3 Prescribed Elective (See Notes 2)	BIOS6671 Biodiversity and Conservation of Natural Resources (T3)
6 UOC Science Elective	Other Degree Course	Other Degree Course
Other Degree Course	Other Degree Course	

Year 4		
BIOS3601 Advanced Field Biology (T1)	6 UOC Science Elective	BIOS3061 Plant Ecology (T3)
6 UOC Science Elective	Other Degree Course	Other Degree Course
Other Degree Course	Other Degree Course	

NOTES

This is intended as a guide only. Courses do not need to be studied in the exact structure that they appear here.

See Program Structure on page 1 for a guide on the terminology and colour codes used in this progression plan.

In double degrees with Law or Engineering, a further 48uoc of other faculty course must be studied in addition to what is pictured here (Year 5)

Note 1: Level 2 Ecology Prescribed Electives: BIOS2061 (T2), GEOS2821 (T2), BIOS2031 (T3), BIOS2051 (T3), BIOS2123 (T3),
- **Students who wish to take GEOS2821 are required to take one of GEOS1111 OR GEOS1211 as a science elective.**

Note 2: Level 3 Ecology Prescribed Electives: GEOS3911 (T1), BIOS3081 (T1), BIOS3161 (T1), BEES3041 (T2), BIOS3011 (T2), BIOS6723 (T2), BIOS3171 (T3)

Information is correct as of 30/03/2023 and is based on proposed prerequisites and course availability. This is to be used as a guide only and does not replace individual advice. Refer to the Handbook and Class Timetable for the relevant term to check availability for these courses. Contact The Nucleus: Student Hub for further assistance. CRICOS Provider Code 00098G

Science

Bachelor of Science (3970)

2022 Commencing Students – Single Degree – Major in Food Science (FOODH1)

Choose from available proposed courses in each year

Year 1		
FOOD1120 Introduction to Food Science (T1)	CHEM1021 (T1, T2, T3) OR CHEM1041 (T2) OR CHEM181 (T2)	BABS1201 Molecules, Cells and Genes (T1, T3)
CHEM1011 (T1, T2, T3) OR CHEM1031 (T1) OR CHEM1811 (T1)	6 UOC Science Elective	6 UOC Free Elective
MATH1131 (T1, T2, T3) OR MATH1031 (T1, T3)	6 UOC Free Elective	

Year 2		
CHEM2921 Food Chemistry (T1)	BIOC2181 (T2) OR BIOC2101 (T2)	FOOD2320 Food Microbiology (T3)
MICR2011 Microbiology 1 (T1)	6 UOC Science Elective	6 UOC Science Elective
6 UOC Free Elective	6 UOC General Education	

Year 3		
FOOD3010 Food Products and Ingredients Technology (T1)	6 UOC Discipline Elective (See notes 1)	6 UOC Discipline Elective (See notes 1)
6 UOC Science Elective	6 UOC Science Elective	6 UOC Science Elective
6 UOC Free Elective	6 UOC General Education	

NOTES

This is intended as a guide only. Courses do not need to be studied in the exact structure that they appear here.

See Program Structure on page 1 for a guide on the terminology and colour codes used in this progression plan.

Note 1: Discipline Electives: FOOD3020 (T1), FOOD3220 (T1), FOOD3030 (T2), FOOD4110 (T3)

Information is correct as of 30/03/2023 and is based on proposed prerequisites and course availability. This is to be used as a guide only and does not replace individual advice. Refer to the Handbook and Class Timetable for the relevant term to check availability for these courses. Contact The Nucleus: Student Hub for further assistance. CRICOS Provider Code 00098G

Science

Bachelor of Science (3970)

2022 Commencing Students – Double Degree – Major in Food Science (FOODH1)

Choose from available proposed courses in each year

Year 1		
FOOD1120 Introduction to Food Science (T1)	CHEM1021 Chemistry 1B (T1, T2, T3)	BABS1201 Molecules, Cells and Genes (T1, T3)
CHEM1011 Chemistry 1A (T1, T2, T3)	Other Degree Course	Other Degree Course
MATH1131 (T1, T2, T3) OR MATH1031 (T1, T3)	Other Degree Course	

Year 2		
CHEM2921 Food Chemistry (T1)	BIOC2181 (T2) OR BIOC2101 (T2)	FOOD2320 Food Microbiology (T3)
MICR2011 Microbiology 1 (T1)	Other Degree Course	Other Degree Course
Other Degree Course	Other Degree Course	

Year 3		
FOOD3010 Food Products and Ingredients Technology (T1)	6 UOC Discipline Elective (See notes 1)	6 UOC Discipline Elective (See notes 1)
Other Degree Course	Other Degree Course	Other Degree Course
Other Degree Course	Other Degree Course	

Year 4		
FOOD3010 Food Products and Ingredients Technology (T1)	6 UOC Discipline Elective (See notes 1)	6 UOC Discipline Elective (See notes 1)
6 UOC Science Elective	Other Degree Course	Other Degree Course
Other Degree Course	Other Degree Course	

NOTES

This is intended as a guide only. Courses do not need to be studied in the exact structure that they appear here.

See Program Structure on page 1 for a guide on the terminology and colour codes used in this progression plan.

In double degrees with Law or Engineering, a further 48uoc of other faculty course must be studied in addition to what is pictured here (Year 5)

Note 1: Discipline Electives: FOOD3020 (T1), FOOD3220 (T1), FOOD3030 (T2), FOOD4110 (T3)

Information is correct as of 30/03/2023 and is based on proposed prerequisites and course availability. This is to be used as a guide only and does not replace individual advice. Refer to the Handbook and Class Timetable for the relevant term to check availability for these courses. Contact The Nucleus: Student Hub for further assistance. CRICOS Provider Code 00098G

Science

Bachelor of Science (3970)

2022 Commencing Students – Single Degree – Major in Genetics (BIOCC1)

Choose from available proposed courses in each year

Year 1		
BABS1201 Molecules, Cells and Genes (T1, T3)	BABS1202 Applied Biomolecular Sciences (T2)	6 UOC Free Elective
CHEM1011 (T1, T2, T3) OR CHEM1031 (T1)	CHEM1021 (T1, T2, T3) OR CHEM1041 (T2)	6 UOC Free Elective
MATH1131 (T1, T2, T3) OR MATH1141 (T1, T3) OR MATH1031 (T1, T3)	MATH1231 (T1, T2, T3) OR MATH1241 (T1, T2) OR MATH1041 (T1, T2, T3)	

Year 2		
MICR2011 Microbiology 1 (T1)	BABS2202 Molecular Cell Biology 1 (T2)	BIOC2201 Principles of Molecular Biology (Advanced) (T3)
6 UOC Science Elective	BIOC2101 (T2) OR BINF2010 (T3)	BABS2204 (T3) OR BABS2264 (T3)
6 UOC Free Elective	6 UOC General Education	

Year 3		
BABS3121 Molecular Biology of Nucleic Acids (T1)	6 UOC Level 3 Prescribed Elective (See Note 1)	6 UOC Level 3 Prescribed Elective (See Note 1)
BABS3291 Genes, Genomes and Evolution (T1)	6 UOC Science Elective	6 UOC Science Elective
6 UOC Free Elective	6 UOC General Education	

NOTES

This is intended as a guide only. Courses do not need to be studied in the exact structure that they appear here.

See Program Structure on page 1 for a guide on the terminology and colour codes used in this progression plan.

Note 1: Level 3 Prescribed Electives: BABS3151 (T2), BINF3010 (T2), BABS3021 (T3), MICR3621 (T3)

Information is correct as of 30/03/2023 and is based on proposed prerequisites and course availability. This is to be used as a guide only and does not replace individual advice. Refer to the Handbook and Class Timetable for the relevant term to check availability for these courses. Contact The Nucleus: Student Hub for further assistance. CRICOS Provider Code 00098G

Science

Bachelor of Science (3970)

2022 Commencing Students – Double Degree – Major in Genetics (BIOCC1)

Choose from available proposed courses in each year

Year 1		
BABS1201 Molecules, Cells and Genes (T1, T3)	BABS1202 Applied Biomolecular Sciences (T2)	Other Degree Course
6 UOC Mathematics Core level 1 (See Note 1)	Other Degree Course	Other Degree Course
CHEM1011 (T1, T2, T3) OR CHEM1031 (T1)	Other Degree Course	

Year 2		
MICR2011 Microbiology 1 (T1)	BABS2202 Molecular Cell Biology 1 (T2)	Other Degree Course
CHEM1021 (T1, T2, T3) OR CHEM1041 (T2)	Other Degree Course	Other Degree Course
6 UOC Mathematics Core level 1 (See Note 2)	Other Degree Course	

Year 3		
6 UOC Science Elective	BIOC2101 (T2) OR BINF2010 (T3)	BIOC2201 Principles of Molecular Biology (Advanced) (T3)
Other Degree Course	Other Degree Course	BABS2204 (T3) OR BABS2264 (T3)
Other Degree Course	Other Degree Course	

Year 4		
BABS3121 Molecular Biology of Nucleic Acids (T1)	6 UOC Level 3 Prescribed Elective (See Note 3)	6 UOC Level 3 Prescribed Elective (See Note 3)
BABS3291 Genes, Genomes and Evolution (T1)	Other Degree Course	Other Degree Course
Other Degree Course	Other Degree Course	

NOTES

This is intended as a guide only. Courses do not need to be studied in the exact structure that they appear here.

See Program Structure on page 1 for a guide on the terminology and colour codes used in this progression plan.

In double degrees with Law or Engineering, a further 48uoc of other faculty course must be studied in addition to what is pictured here (Year 5)

Note 1: 6 UOC Mathematics Core level 1: MATH1131 (T1, T2, T3) OR MATH1141 (T1, T3) OR MATH1031 (T1, T3)
Note 2: 6 UOC Mathematics Core level 1:MATH1231 (T1, T2, T3) OR MATH1241 (T1, T2) OR MATH1041 (T1, T2, T3)
Note 3: Level 3 Prescribed Electives: BABS3151 (T2), BINF3010 (T2), BABS3021 (T3), MICR3621 (T3)

Information is correct as of 30/03/2023 and is based on proposed prerequisites and course availability. This is to be used as a guide only and does not replace individual advice. Refer to the Handbook and Class Timetable for the relevant term to check availability for these courses. Contact The Nucleus: Student Hub for further assistance. CRICOS Provider Code 00098G

Science

Bachelor of Science (3970)

2022 Commencing Students – Single Degree – Major in Geography (GEOGG1)

Choose from available proposed courses in each year

Year 1		
BIOS1301 Ecology, Sustainability and Environmental Science (T1)	GEOS1701 Environmental Systems, Processes and Issues (T2)	BEES1041 Exploring the Natural World (T3)
MATH1041 Statistics for Life and Social Sciences (T1, T2, T3)	6 UOC Science Elective	6 UOC Science Elective
6 UOC Science Elective	6 UOC Free Elective	

Year 2		
BEES2041 Data Analysis for Life and Earth Sciences (T1)	GEOS2711 Australian Climate and Vegetation (T2)	GEOS2721 Australian Physical Environments (T3)
6 UOC Level 2 Geography Elective (see Notes 1)	GEOS2821 Introduction to GIS and Remote Sensing (T2)	6 UOC Science Elective
6 UOC Free Elective	6 UOC General Education	

Year 3		
GEOS3911 Environmental Impact Assessment (T1)	GEOS3761 Environmental Change (T2)	GEOS3921 Coastal Resource Management (T3)
6 UOC Level 3 Geography Elective (see Notes 2)	6 UOC Free Elective	6 UOC Science Elective
6 UOC Free Elective	6 UOC General Education	

NOTES

This is intended as a guide only. Courses do not need to be studied in the exact structure that they appear here.

See Program Structure on page 1 for a guide on the terminology and colour codes used in this progression plan.

1. Level 2 Geography Elective: GEOS2241 (T3), GEOS2291 (T1)
2. Level 3 Geography Elective: BEES3041 (T2), GEOS3731 (T3), GEOS3811, GEOS3821 (T1), GEOS6733

Information is correct as of 30/03/2023 and is based on proposed prerequisites and course availability. This is to be used as a guide only and does not replace individual advice. Refer to the Handbook and Class Timetable for the relevant term to check availability for these courses. Contact The Nucleus: Student Hub for further assistance. CRICOS Provider Code 00098G

Science

Bachelor of Science (3970)

2022 Commencing Students – Double Degree – Major in Geography (GEOGG1)

Choose from available proposed courses in each year

Year 1		
BIOS1301 Ecology, Sustainability and Environmental Science (T1)	GEOS1701 Environmental Systems, Processes and Issues (T2)	BEES1041 Exploring the Natural World (T3)
MATH1041 Statistics for Life and Social Sciences (T1, T2, T3)	Other Degree Course	Other Degree Course
Other Degree Course	Other Degree Course	

Year 2		
BEES2041 Data Analysis for Life and Earth Sciences (T1)	GEOS2711 Australian Climate and Vegetation (T2)	GEOS2721 Australian Physical Environments (T3)
Other Degree Course	GEOS2821 Introduction to GIS and Remote Sensing (T2)	Other Degree Course
Other Degree Course	Other Degree Course	

Year 3		
6 UOC Level 2 Geography Elective (see Notes 1)	GEOS3761 Environmental Change (T2)	GEOS3921 Coastal Resource Management (T3)
6 UOC Science Elective	Other Degree Course	Other Degree Course
Other Degree Course	Other Degree Course	

Year 4		
GEOS3911 Environmental Impact Assessment (T1)	6 UOC Level 3 Geography Elective (see Notes 2)	6 UOC Science Elective
6 UOC Science Elective	Other Degree Course	Other Degree Course
Other Degree Course	Other Degree Course	

NOTES

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See Program Structure on page 1 for a guide on the terminology and colour codes used in this progression plan.

In double degrees with Law or Engineering, a further 48uoc of other faculty course must be studied in addition to what is pictured here (Year 5)

1. Level 2 Geography Elective: GEOS2241 (T3), GEOS2291 (T1)
2. Level 3 Geography Elective: BEES3041 (T2), GEOS3731 (T3), GEOS3811, GEOS3821 (T1), GEOS6733

Information is correct as of 30/03/2023 and is based on proposed prerequisites and course availability. This is to be used as a guide only and does not replace individual advice. Refer to the Handbook and Class Timetable for the relevant term to check availability for these courses. Contact The Nucleus: Student Hub for further assistance. CRICOS Provider Code 00098G

Science

Bachelor of Science (3970)

2022 Commencing Students – Single Degree – Major in Immunology (MICRJ1)

Choose from available proposed courses in each year

Year 1		
BABS1201 Molecules, Cells and Genes (T1, T3)	BIOS1101 Evolutionary and Functional Biology (T2)	6 UOC Science Elective
CHEM1011 (T1, T2, T3) or CHEM1031 (T1)	CHEM1021 (T1, T2, T3) or CHEM1041 (T2)	6 UOC Free Elective
6 UOC Science Elective	6 UOC Science Elective	

Year 2		
MICR2011 Microbiology 1 (T1)	ANAT2241 Histology: Basic and Systematic (T2)	PATH2201 Processes in Disease (T3)
6 UOC Science Elective	BABS2202 Molecular Cell Biology 1 (T2)	6 UOC Science Elective
6 UOC Free Elective	BIOC2101 (T2) OR BIOC2181 (T2)	

Year 3		
BABS3041 Immunology (T1)	PATH3205 (T1) OR BABS3081 (T2) OR MICR3061 (T3)	PATH3209 Clinical Immunology (T3)
6 UOC Science Elective	6 UOC Free Elective	6 UOC General Education
6 UOC Free Elective	6 UOC General Education	

NOTES

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Information is correct as of 30/03/2023 and is based on proposed prerequisites and course availability. This is to be used as a guide only and does not replace individual advice. Refer to the Handbook and Class Timetable for the relevant term to check availability for these courses. Contact The Nucleus: Student Hub for further assistance. CRICOS Provider Code 00098G

Science

Bachelor of Science (3970)

2022 Commencing Students – Double Degree – Major in Immunology (MICRJ1)

Choose from available proposed courses in each year

Year 1		
BABS1201 Molecules, Cells and Genes (T1, T3)	BIOS1101 Evolutionary and Functional Biology (T2)	Other Degree Course
CHEM1011 (T1, T2, T3) or CHEM1031 (T1)	CHEM1021 (T1, T2, T3) or CHEM1041 (T2)	Other Degree Course
Other Degree Course	Other Degree Course	

Year 2		
MICR2011 Microbiology 1 (T1)	ANAT2241 Histology: Basic and Systematic (T2)	6 UOC Science Elective
Other Degree Course	BIOC2101 (T2) OR BIOC2181 (T2)	Other Degree Course
	Other Degree Course	

Year 3		
6 UOC Science Elective	BABS2202 Molecular Cell Biology 1 (T2)	PATH2201 Processes in Disease (T3)
Other Degree Course	6 UOC Science Elective	Other Degree Course
Other Degree Course	Other Degree Course	

Year 4		
BABS3041 Immunology (T1)	6 UOC Science Elective	PATH3209 Clinical Immunology (T3)
PATH3205 (T1) OR BABS3081 (T2) OR MICR3061 (T3)	Other Degree Course	Other Degree Course
Other Degree Course	Other Degree Course	

NOTES

This is intended as a guide only. Courses do not need to be studied in the exact structure that they appear here.

See Program Structure on page 1 for a guide on the terminology and colour codes used in this progression plan.

In double degrees with Law or Engineering, a further 48uoc of other faculty course must be studied in addition to what is pictured here (Year 5)

Information is correct as of 30/03/2023 and is based on proposed prerequisites and course availability. This is to be used as a guide only and does not replace individual advice. Refer to the Handbook and Class Timetable for the relevant term to check availability for these courses. Contact The Nucleus: Student Hub for further assistance. CRICOS Provider Code 00098G

Science

Bachelor of Science (3970)

2022 Commencing Students – Single Degree – Major in Materials Sciences (MATSB1)

Choose from available proposed courses in each year

Year 1		
MATS1192 Design and Application of Materials in Science and Engineering (T1, T3)	MATH1231 (T1, T2, T3) or MATH1241 (T1, T2)	6 UOC Science Elective
CHEM1011 (T1, T2, T3) or CHEM1031 (T1)	PHYS1121 (T1, T2, T3) or MATH1131 (T1, T2, T3)	6 UOC General Education
MATH1131 (T1, T2, T3) or MATH1141 (T1, T3)	6 UOC Science Elective	

Year 2		
MATS2001 Physical Properties of Materials (T1)	MATS2004 Mechanical Behaviour of Materials (T2)	MATS2006 Diffusion and Kinetics (T3)
MATS2003 Materials Characterisation (T1)	MATS2008 Thermodynamics and Phase Equilibria (T2)	6 UOC Science Elective
6 UOC Science Elective	6 UOC General Education	

Year 3		
MATS3001 Micromechanisms of Mechanical Behaviour of Metals (T1)	MATS3004 Polymer Science and Engineering 1 (T2)	6 UOC Free Elective
MATS3002 Fundamentals of Ceramic Processing (T1)	6 UOC Science Elective	6 UOC Free Elective
6 UOC Free Elective	6 UOC Free Elective	

NOTES

This is intended as a guide only. Courses do not need to be studied in the exact structure that they appear here.

See Program Structure on page 1 for a guide on the terminology and colour codes used in this progression plan.

Information is correct as of 30/03/2023 and is based on proposed prerequisites and course availability. This is to be used as a guide only and does not replace individual advice. Refer to the Handbook and Class Timetable for the relevant term to check availability for these courses. Contact The Nucleus: Student Hub for further assistance. CRICOS Provider Code 00098G

Science

Bachelor of Science (3970)

2022 Commencing Students – Double Degree – Major in Materials Sciences (MATSB1)

Choose from available proposed courses in each year

Year 1		
MATS1192 Design and Application of Materials in Science and Engineering (T1, T3)	MATH1231 (T1, T2, T3) or MATH1241 (T1, T2)	Other Degree Course
CHEM1011 (T1, T2, T3) or CHEM1031 (T1)	PHYS1121 (T1, T2, T3) or MATH1131 (T1, T2, T3)	Other Degree Course
MATH1131 (T1, T2, T3) or MATH1141 (T1, T3)	Other Degree Course	

Year 2		
MATS2001 Physical Properties of Materials (T1)	MATS2004 Mechanical Behaviour of Materials (T2)	MATS2006 Diffusion and Kinetics (T3)
MATS2003 Materials Characterisation (T1)	MATS2008 Thermodynamics and Phase Equilibria (T2)	Other Degree Course
Other Degree Course	Other Degree Course	

Year 3		
MATS3001 Micromechanisms of Mechanical Behaviour of Metals (T1)	MATS3004 Polymer Science and Engineering 1 (T2)	Other Degree Course
MATS3002 Fundamentals of Ceramic Processing (T1)	Other Degree Course	Other Degree Course
Other Degree Course	Other Degree Course	

Year 4		
6 UOC Science Elective	6 UOC Science Elective	6 UOC Science Elective
Other Degree Course	Other Degree Course	Other Degree Course
Other Degree Course	Other Degree Course	

NOTES

This is intended as a guide only. Courses do not need to be studied in the exact structure that they appear here.

See Program Structure on page 1 for a guide on the terminology and colour codes used in this progression plan.

In double degrees with Law or Engineering, a further 48uoc of other faculty course must be studied in addition to what is pictured here (Year 5)

Information is correct as of 30/03/2023 and is based on proposed prerequisites and course availability. This is to be used as a guide only and does not replace individual advice. Refer to the Handbook and Class Timetable for the relevant term to check availability for these courses. Contact The Nucleus: Student Hub for further assistance. CRICOS Provider Code 00098G

Science

Bachelor of Science (3970)

2022 Commencing Students – Single Degree – Major in Mathematics (MATHM1)

Choose from available proposed courses in each year

Year 1		
MATH1131 Maths 1A (T1, T2, T3) OR MATH1141 Higher Maths 1A (T1, T3)	MATH1231 Maths 1B (T1, T2, T3) OR MATH1241 Higher Maths 1B (T1, T2)	6 UOC Science Elective
6 UOC Science Elective	6 UOC Science Elective	6 UOC Science Elective
6 UOC Free Elective	6 UOC Free Elective	

Year 2		
MATH2011 Several Variable Calculus OR MATH2111 Higher Several Variable Calculus (T1)	MATH2121 or MATH2221 (T2)	6 UOC Science Elective
6 UOC Free Elective	MATH2801 Theory of Statistics OR MATH2901 Higher Theory of Statistics (T2)	MATH2521 Complex Analysis OR MATH2621Higher Complex Analysis (T3)
6 UOC Free Elective	MATH2501 Linear Algebra OR MATH2601 Higher Linear Algebra (T2)	

Year 3		
6 UOC Level 3 Non-Statistics Prescribed Electives (See Note 1)	6 UOC Level 3 Non-Statistics Prescribed Electives (See Note 1)	6 UOC Science Elective
6 UOC Science Elective	6 UOC Science Elective	6 UOC of Any Level 3 or above Math Course
6 UOC General Education	6 UOC General Education	

NOTES

This is intended as a guide only. Courses do not need to be studied in the exact structure that they appear here.

See Program Structure on page 1 for a guide on the terminology and colour codes used in this progression plan.

Note 1: Courses numbered from MATH3000 to MATH3799 or MATH6700 to MATH6899 (inclusive) are non-statistics Mathematics courses

Information is correct as of 30/03/2023 and is based on proposed prerequisites and course availability. This is to be used as a guide only and does not replace individual advice. Refer to the Handbook and Class Timetable for the relevant term to check availability for these courses. Contact The Nucleus: Student Hub for further assistance. CRICOS Provider Code 00098G

Science

Bachelor of Science (3970)

2022 Commencing Students – Double Degree – Major in Mathematics (MATHM1)

Choose from available proposed courses in each year

Year 1		
MATH1131 Maths 1A (T1, T2, T3) OR MATH1141 Higher Maths 1A (T1, T3)	MATH1231 Maths 1B (T1, T2, T3) OR MATH1241 Higher Maths 1B (T1, T2)	Other Degree Course
6 UOC Science Elective	6 UOC Science Elective	Other Degree Course
Other Degree Course	Other Degree Course	

Year 2		
MATH2011 Several Variable Calculus OR MATH2111 Higher Several Variable Calculus (T1)	MATH2121 or MATH2221 (T2)	6 UOC Science Elective
Other Degree Course	MATH2801 Theory of Statistics OR MATH2901 Higher Theory of Statistics (T2)	MATH2521 Complex Analysis OR MATH2621 Higher Complex Analysis (T3)
	MATH2501 Linear Algebra OR MATH2601 Higher Linear Algebra (T2)	Other Degree Course

Year 3		
6 UOC Level 3 Non-Statistics Prescribed Electives (See Note 1)	6 UOC Level 3 Non-Statistics Prescribed Electives (See Note 1)	Other Degree Course
Other Degree Course	6 UOC Science Elective	6 UOC of Any Level 3 or above Math Course
Other Degree Course	Other Degree Course	

Year 4		
6 UOC Science Elective	Other Degree Course	Other Degree Course
6 UOC Science Elective	Other Degree Course	Other Degree Course
Other Degree Course	Other Degree Course	

NOTES

This is intended as a guide only. Courses do not need to be studied in the exact structure that they appear here.

See Program Structure on page 1 for a guide on the terminology and colour codes used in this progression plan.

In double degrees with Law or Engineering, a further 48uoc of other faculty course must be studied in addition to what is pictured here (Year 5)

Note 1: Courses numbered from MATH3000 to MATH3799 or MATH6700 to MATH6899 (inclusive) are non-statistics Mathematics courses.

Students in the Bachelor of Engineering or the Bachelor of Science/Advanced Science with a Physics and/or Maths Major must complete certain MATH requirements.

Information is correct as of 04/04/2024 and is based on proposed prerequisites and course availability. This is to be used as a guide only and does not replace individual advice. Refer to the Handbook and Class Timetable for the relevant term to check availability for these courses. Contact The Nucleus: Student Hub for further assistance. CRICOS Provider Code 00098G

Science

Bachelor of Science (3970)

2022 Commencing Students – Single Degree – Major in Marine and Costal Sciences (MSCIM1)

Choose from available proposed courses in each year

Year 1		
BABS1201 Molecules, Cells and Genes (T1, T3)	MSCI1001 Introductory Marine Science (T2)	BEES1041 Exploring the Natural World (T3)
MATH1041 Stats for Life & Social Sciences (T1, T2, T3)	BIOS1101 Evolutionary and Functional Biology (T2)	6 UOC Free Elective
BIOS1301 (T1) OR GEOS1701 (T2)	6 UOC Free Elective	

Year 2		
BEES2041 Data Analysis for Life and Earth Sciences (T1)	GEOS2821 Introduction to GIS and Remote Sensing (T2)	BIOS2091 Marine and Aquatic Ecology (T3)
6 UOC Science Elective	6 UOC Science Elective	BIOS2031 Biology of Invertebrates (T3)
6 UOC Free Elective	6 UOC General Education	

Year 3		
BIOS3081 Ocean to Estuarine Ecosystems (T1)	MSCI3001 Physical Oceanography (T2)	Level 3 Prescribed Elective (See Note 1)
6 UOC Science Elective	6 UOC Science Elective	6 UOC Science Elective
6 UOC Free Elective	6 UOC General Education	

NOTES

This is intended as a guide only. Courses do not need to be studied in the exact structure that they appear here.

See Program Structure on page 1 for a guide on the terminology and colour codes used in this progression plan.

Note 1: Level 3 Prescribed Electives: GEOS3911 (T1), GEOS3731 (T3), GEOS3921 (T3)

Information is correct as of 30/03/2023 and is based on proposed prerequisites and course availability. This is to be used as a guide only and does not replace individual advice. Refer to the Handbook and Class Timetable for the relevant term to check availability for these courses. Contact The Nucleus: Student Hub for further assistance. CRICOS Provider Code 00098G

Science

Bachelor of Science (3970)

2022 Commencing Students – Double Degree – Major in Marine and Coastal Services (MSCIM1)

Choose from available proposed courses in each year

Year 1		
BABS1201 Molecules, Cells and Genes (T1, T3)	MSCI1001 Introductory Marine Science (T2)	BEES1041 Exploring the Natural World (T3)
6 UOC Science Elective	Other Degree Course	Other Degree Course
Other Degree Course	Other Degree Course	

Year 2		
MATH1041 Stats for Life & Social Sciences (T1, T2, T3)	BIOS1101 Evolutionary and Functional Biology (T2)	BIOS2091 Marine and Aquatic Ecology (T3)
BIOS1301 (T1) OR GEOS1701 (T2)	Other Degree Course	Other Degree Course
Other Degree Course	Other Degree Course	

Year 3		
BEES2041 Data Analysis for Life and Earth Sciences (T1)	GEOS2821 Introduction to GIS and Remote Sensing (T2)	BIOS2031 Biology of Invertebrates (T3)
6 UOC Science Elective	Other Degree Course	Other Degree Course
Other Degree Course	Other Degree Course	

Year 4		
BIOS3081 Ocean to Estuarine Ecosystems (T1)	MSCI3001 Physical Oceanography (T2)	Level 3 Prescribed Elective (See Note 1)
6 UOC Science Elective	Other Degree Course	Other Degree Course
Other Degree Course	Other Degree Course	

NOTES

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See Program Structure on page 1 for a guide on the terminology and colour codes used in this progression plan.

In double degrees with Law or Engineering, a further 48uoc of other faculty course must be studied in addition to what is pictured here (Year 5)

Note 1: Level 3 Prescribed Electives: GEOS3911 (T1), GEOS3731 (T3), GEOS3921 (T3)

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Science

Bachelor of Science (3970)

2022 Commencing Students – Single Degree – Major in Microbiology (MICRB1)

Choose from available proposed courses in each year

Year 1		
BABS1201 Molecules, Cells and Genes (T1, T3)	BABS1202 Applied Biomolecular Sciences (T2)	CHEM1021 (T1, T3) or CHEM1041 (T2)
CHEM1011 (T1, T2, T3) or CHEM1031 (T1)	6 UOC Mathematics Level 1 Core (See notes 2)	6 UOC Science Elective
6 UOC Mathematics Level 1 Core (See notes 1)	6 UOC Science Elective	

Year 2		
MICR2011 Microbiology 1 (T1)	BABS2202 Molecular Cell Biology 1 (T2)	BIOC2201 Principles of Molecular Biology (Advanced) (T3)
6 UOC from Level 2 Prescribed Electives (See notes 3)	6 UOC Science Elective	6 UOC Free Elective
6 UOC Free Elective	6 UOC Free Elective	

Year 3		
6 UOC from Level 3 Prescribed Electives (See notes 4)	6 UOC from Level 3 Prescribed Electives (See notes 4)	6 UOC from Level 3 Prescribed Electives (See notes 4)
6 UOC from Level 3 Prescribed Electives (See notes 4)	6 UOC Science Elective	6 UOC General Education
6 UOC Free Elective	6 UOC General Education	

NOTES

This is intended as a guide only. Courses do not need to be studied in the exact structure that they appear here.

See Program Structure on page 1 for a guide on the terminology and colour codes used in this progression plan.

Note 1: 6 UOC Mathematics level 1 Core: MATH1031 (T1, T3) or MATH1131 (T1, T2, T3) or MATH1141 (T1, T3)
Note 2: 6 UOC Mathematics level 1 Core: MATH1041 (T1, T2, T3) or MATH1231 (T1, T2, T3) or MATH1241 (T1, T2)
Note 3: 6 UOC from Level 2 Prescribed Electives: BIOC2101 (T2), BABS2204 (or BABS2264) (T3)
Note 4: 6 UOC from Level 3 Prescribed Electives: BABS3081 (T2), MICR3061 (T3), MICR3071 (T1), BABS3041 (T1), BABS3021 (or MICR3621) (T3), BABS3061 (T3), BABS3200 (T3)

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Science

Bachelor of Science (3970)

2022 Commencing Students – Double Degree – Major in Microbiology (MICRB1)

Choose from available proposed courses in each year

Year 1		
BABS1201 Molecules, Cells and Genes (T1, T3)	BABS1202 Applied Biomolecular Sciences (T2)	CHEM1021 (T1, T3) or CHEM1041 (T2)
CHEM1011 (T1, T2, T3) or CHEM1031 (T1)	6 UOC Mathematics Level 1 Core (See notes 2)	Other Degree Course
6 UOC Mathematics Level 1 Core (See notes 1)	Other Degree Course	

Year 2		
MICR2011 Microbiology 1 (T1)	BABS2202 Molecular Cell Biology 1 (T2)	BIOC2201 Principles of Molecular Biology (Advanced) (T3)
6 UOC from Level 2 Prescribed Electives (See notes 3)	Other Degree Course	Other Degree Course
Other Degree Course	Other Degree Course	

Year 3		
6 UOC from Level 3 Prescribed Electives (See notes 4)	6 UOC from Level 3 Prescribed Electives (See notes 4)	6 UOC from Level 3 Prescribed Electives (See notes 4)
6 UOC Science Elective	Other Degree Course	Other Degree Course
Other Degree Course	Other Degree Course	

Year 4		
6 UOC from Level 3 Prescribed Electives (See notes 4)	6 UOC Science Elective	Other Degree Course
Other Degree Course	Other Degree Course	Other Degree Course
Other Degree Course	Other Degree Course	

NOTES

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See Program Structure on page 1 for a guide on the terminology and colour codes used in this progression plan.

In double degrees with Law or Engineering, a further 48uoc of other faculty course must be studied in addition to what is pictured here (Year 5)

Note 1: 6 UOC Mathematics level 1 Core: MATH1031 (T1, T3) or MATH1131 (T1, T2, T3) or MATH1141 (T1, T3)
Note 2: 6 UOC Mathematics level 1 Core: MATH1041 (T1, T2, T3) or MATH1231 (T1, T2, T3) or MATH1241 (T1, T2)
Note 3: 6 UOC from Level 2 Prescribed Electives: BIOC2101 (T2), BABS2204 (or BABS2264) (T3)
Note 4: 6 UOC from Level 3 Prescribed Electives: BABS3081 (T2), MICR3061 (T3), MICR3071 (T1), BABS3041 (T1), BABS3021 (or MICR3621) (T3), BABS3061 (T3), BABS3200 (T3)

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Science

Bachelor of Science (3970)

2022 Commencing Students – Single Degree – Major in Molecular and Cell Biology (BIOCM1)

Choose from available proposed courses in each year

Year 1		
BABS1201 Molecules, Cells and Genes (T1, T3)	BABS1202 Applied Biomolecular Sciences (T2)	6 UOC Science Elective
MATH1131 (T1, T2, T3) OR MATH1141 (T1, T3) OR MATH1031 (T1, T3)	MATH1231 (T1, T2, T3) OR MATH1241 (T1, T2) OR MATH1041 (T1, T2, T3)	6 UOC Free Elective
CHEM1011 (T1, T2, T3) OR CHEM1031 (T1)	CHEM1021 (T1, T2, T3) OR CHEM1041 (T2)	

Year 2		
MICR2011 (T1) OR BABS2204 (T3) OR BABS2264 (T3)	BABS2202 Molecular Cell Biology 1 (T2)	BIOC2201 Principles of Molecular Biology (Advanced) (T3)
6 UOC Science Elective	BIOC2101 Principles of Biochemistry (Advanced) (T2)	6 UOC Free Elective
6 UOC Free Elective	6 UOC General Education	

Year 3		
BABS3121 Molecular Biology of Nucleic Acids (T1)	BIOC3111 Molecular Biology of Proteins (T2)	BIOC3261 Human Biochemistry (T3)
6 UOC Science Elective	BIOC3271 (T2) OR BIOC3671 (T2)	6 UOC Science Elective
6 UOC Free Elective	6 UOC General Education	

NOTES

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Science

Bachelor of Science (3970)

2022 Commencing Students – Double Degree – Major in Molecular and Cell Biology (BIOCM1)

Choose from available proposed courses in each year

Year 1		
BABS1201 Molecules, Cells and Genes (T1, T3)	BABS1202 Applied Biomolecular Sciences (T2)	Other Degree Course
MATH1131 (T1, T2, T3) OR MATH1141 (T1, T3) OR MATH1031 (T1, T3)	Other Degree Course	Other Degree Course
CHEM1011 (T1, T2, T3) OR CHEM1031 (T1)	Other Degree Course	

Year 2		
MATH1231 (T1, T2, T3) OR MATH1241 (T1, T2) OR MATH1041 (T1, T2, T3)	BABS2202 Molecular Cell Biology 1 (T2)	MICR2011 (T1) OR BABS2204 (T3) OR BABS2264 (T3)
CHEM1021 (T1, T2, T3) OR CHEM1041 (T2)	Other Degree Course	Other Degree Course
Other Degree Course	Other Degree Course	

Year 3		
6 UOC Science Elective	BIOC2101 Principles of Biochemistry (Advanced) (T2)	BIOC2201 Principles of Molecular Biology (Advanced) (T3)
6 UOC Science Elective	Other Degree Course	Other Degree Course
Other Degree Course	Other Degree Course	

Year 4		
BABS3121 Molecular Biology of Nucleic Acids (T1)	BIOC3111 Molecular Biology of Proteins (T2)	BIOC3261 Human Biochemistry (T3)
Other Degree Course	BIOC3271 (T2) OR BIOC3671 (T2)	Other Degree Course
Other Degree Course	Other Degree Course	

NOTES

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See Program Structure on page 1 for a guide on the terminology and colour codes used in this progression plan.

In double degrees with Law or Engineering, a further 48uoc of other faculty course must be studied in addition to what is pictured here (Year 5)

Information is correct as of 30/03/2023 and is based on proposed prerequisites and course availability. This is to be used as a guide only and does not replace individual advice. Refer to the Handbook and Class Timetable for the relevant term to check availability for these courses. Contact The Nucleus: Student Hub for further assistance. CRICOS Provider Code 00098G

Science

Bachelor of Science (3970)

2022 Commencing Students – Single Degree – Major in Neuroscience (NEURS1)

Choose from available proposed courses in each year

Year 1		
BABS1201 Molecules, Cells and Genes (T1, T3)	MATH1041 Statistics for Life & Social Sciences (T1, T2, T3)	6 UOC Level 1 Prescribed Elective (See Note 1)
PSYC1001 Psychology 1A (T1, T2)	PSYC1011 Psychology 1B (T2, T3)	6 UOC Free Elective
CHEM1011 (T1, T2, T3) OR CHEM1031 (T1)	6 UOC Free Elective	

Year 2		
PHSL2101 Physiology 1A (T1)	NEUR2201 Neuroscience Fundamentals (T2)	6 UOC Level 2 Prescribed Elective (See Note 2)
6 UOC Level 2 Prescribed Elective (See Note 2)	6 UOC Level 2 Prescribed Elective (See Note 2)	6 UOC Science Elective
6 UOC Free Elective	6 UOC General Education	

Year 3		
6 UOC Level 3 Prescribed Elective (See Note 3)	6 UOC Level 3 Prescribed Elective (See Note 3)	6 UOC Level 3 Prescribed Elective (See Note 3)
6 UOC Science Elective	6 UOC Science Elective	6 UOC Science Elective
6 UOC Free Elective	6 UOC General Education	

NOTES

This is intended as a guide only. Courses do not need to be studied in the exact structure that they appear here.

See Program Structure on page 1 for a guide on the terminology and colour codes used in this progression plan.

Note 1: Level 1 Prescribed Electives: CHEM1021 (T1, T2, T3), CHEM1041 (T2), BIOS1101 (T2), PSYC1111 (T3)
Note 2: Level 2 Prescribed Electives: ANAT2111 (T1, T2), PSYC2001 (T1), PSYC2081 (T2), ANAT2511 (T3), PHAR2011 (T3)
Note 3: Level 3 Prescribed Electives: ANAT3411 (T1), NEUR3121 (T1), PHAR3202 (T2), PSYC3051 (T2)

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Science

Bachelor of Science (3970)

2022 Commencing Students – Double Degree – Major in Neuroscience (NEURS1)

Choose from available proposed courses in each year

Year 1		
BABS1201 Molecules, Cells and Genes (T1, T3)	MATH1041 Stats for Life & Social Sciences (T1, T2, T3)	Other Degree Course
PSYC1001 Psychology 1A (T1, T2)	Other Degree Course	Other Degree Course
CHEM1011 (T1, T2, T3) OR CHEM1031 (T1)	Other Degree Course	

Year 2		
PHSL2101 Physiology 1A (T1)	PSYC1011 Psychology 1B (T2, T3)	6 UOC Level 2 Prescribed Elective (See Note 2)
6 UOC Level 1 Prescribed Elective (See Note 1)	Other Degree Course	Other Degree Course
Other Degree Course	Other Degree Course	

Year 3		
6 UOC Level 2 Prescribed Elective (See Note 2)	NEUR2201 Neuroscience Fundamentals (T2)	6 UOC Level 2 Prescribed Elective (See Note 2)
6 UOC Science Elective	Other Degree Course	Other Degree Course
Other Degree Course	Other Degree Course	

Year 4		
6 UOC Level 3 Prescribed Elective (See Note 3)	6 UOC Level 3 Prescribed Elective (See Note 3)	6 UOC Level 3 Prescribed Elective (See Note 3)
6 UOC Science Elective	Other Degree Course	Other Degree Course
Other Degree Course	Other Degree Course	

NOTES

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See Program Structure on page 1 for a guide on the terminology and colour codes used in this progression plan.

In double degrees with Law or Engineering, a further 48uoc of other faculty course must be studied in addition to what is pictured here (Year 5)

Note 1: Level 1 Prescribed Electives: CHEM1021 (T1, T2, T3), CHEM1041 (T2), BIOS1101 (T2), PSYC1111 (T3)
Note 2: Level 2 Prescribed Electives: ANAT2111 (T1, T2), PSYC2001 (T1), PSYC2081 (T2), ANAT2511 (T3), PHAR2011 (T3)
Note 3: Level 3 Prescribed Electives: ANAT3411 (T1), NEUR3121 (T1), PHAR3202 (T2), PSYC3051 (T2)

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Science

Bachelor of Science (3970)

2022 Commencing Students – Single Degree – Major in Pathology (PATHA1)

Choose from available proposed courses in each year

Year 1		
BABS1201 Molecules, Cells and Genes (T1, T3)	BIOS1101 Evolutionary and Functional Biology (T2)	6 UOC Science Elective
CHEM1011 Chemistry 1A (T1, T2, T3) OR CHEM1031 Higher Chemistry 1A (T1)	CHEM1021 Chemistry 1B (T1, T2, T3) OR CHEM1061 Higher Chemistry 1B (T2)	6 UOC Science Elective
6 UOC Free Elective	6 UOC Free Elective	

Year 2		
6 UOC Science Elective	ANAT2241 Histology: Basic and Systematic (T2)	PATH2201 Processes in Disease (T3)
6 UOC Level 2 Prescribed Elective (See Note 1)	BIOC2101 or BIOC2181 (T2)	6 UOC Science Elective
6 UOC Free Elective	6 UOC General Education	

Year 3		
PATH3205 Molecular Basis of Disease (T1)	PATH3206 Cancer Pathology (T2)	6 UOC Free Elective
6 UOC Level 3 Prescribed Elective (See Note 2)	6 UOC Science Elective	6 UOC General Education
6 UOC Science Elective	6 UOC Science Elective	

NOTES

This is intended as a guide only. Courses do not need to be studied in the exact structure that they appear here.

See Program Structure on page 1 for a guide on the terminology and colour codes used in this progression plan.

Note 1: ANAT2111 (T1), BABS2202 (T2), MICR2011 (T1)
Note 2: BABS34041 (T1), PATH3207 (T3), SOMS3232 (T2), PATH3210 (T1), PATH3209 (T3)

Information is correct as of 30/03/2023 and is based on proposed prerequisites and course availability. This is to be used as a guide only and does not replace individual advice. Refer to the Handbook and Class Timetable for the relevant term to check availability for these courses. Contact The Nucleus: Student Hub for further assistance. CRICOS Provider Code 00098G

Science

Bachelor of Science (3970)

2022 Commencing Students – Double Degree – Major in Pathology (PATHA1)

Choose from available proposed courses in each year

Year 1		
BABS1201 Molecules, Cells and Genes (T1, T3)	BIOS1101 Evolutionary and Functional Biology (T2)	Other Degree Course
CHEM1011 Chemistry 1A (T1, T2, T3) OR CHEM1031 Higher Chemistry 1A (T1)	CHEM1021 Chemistry 1B (T1, T2, T3) OR CHEM1061 Higher Chemistry 1B (T2)	Other Degree Course
Other Degree Course	Other Degree Course	

Year 2		
6 UOC Science Elective	ANAT2241 Histology: Basic and Systematic (T2)	PATH2201 Processes in Disease (T3)
6 UOC Level 2 Prescribed Elective (See Note 1)	BIOC2101 or BIOC2181 (T2)	6 UOC Science Elective
Other Degree Course	Other Degree Course	

Year 3		
PATH3205 Molecular Basis of Disease (T1)	PATH3206 Cancer Pathology (T2)	Other Degree Course
6 UOC Level 3 Prescribed Elective (See Note 2)	6 UOC Science Elective	Other Degree Course
Other Degree Course	Other Degree Course	

Year 4		
6 UOC Science Elective	Other Degree Course	Other Degree Course
6 UOC Science Elective	Other Degree Course	Other Degree Course
Other Degree Course	Other Degree Course	

NOTES

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See Program Structure on page 1 for a guide on the terminology and colour codes used in this progression plan.

In double degrees with Law or Engineering, a further 48uoc of other faculty course must be studied in addition to what is pictured here (Year 5)

Note 1: ANAT2111 (T1), BABS2202 (T2), MICR2011 (T1)
Note 2: BABS34041 (T1), PATH3207 (T3), SOMS3232 (T2), PATH3210 (T1), PATH3209 (T3)

Information is correct as of 30/03/2023 and is based on proposed prerequisites and course availability. This is to be used as a guide only and does not replace individual advice. Refer to the Handbook and Class Timetable for the relevant term to check availability for these courses. Contact The Nucleus: Student Hub for further assistance. CRICOS Provider Code 00098G

Science

Bachelor of Science (3970)

2022 Commencing Students – Single Degree – Major in Pharmacology (PHARA1)

Choose from available proposed courses in each year

Year 1		
BABS1201 Molecules, Cells and Genes (T1, T3)	6 UOC Mathematics Level 1 Core (See Note 1)	6 UOC Science Elective
CHEM1011 Chemistry 1A (T1, T2, T3) OR CHEM1031 Higher Chemistry 1A (T1)	CHEM1021 Chemistry 1 (T1, T2, T3) or CHEM1041 Higher Chemistry 1B (T2)	6 UOC Science Elective
6 UOC Science Elective	6 UOC Science Elective	

Year 2		
6 UOC Science Elective	6 UOC Science Elective	PHAR2011 Introductory Pharmacology and Toxicology (T3)
PHSL2101 Physiology 1A (T1)	6 UOC Level 2 Prescribed Elective (See Note 2)	6 UOC Level 2 Prescribed Elective (See Note 2)
6 UOC Free Elective	6 UOC Free Elective	

Year 3		
6 UOC Level 3 Prescribed Elective (See Note 3)	6 UOC Level 3 Prescribed Elective (See Note 3)	6 UOC General Education
6 UOC Level 3 Prescribed Elective (See Note 3)	6 UOC Science Elective	6 UOC General Education
6 UOC Free Elective	6 UOC Free Elective	

NOTES

This is intended as a guide only. Courses do not need to be studied in the exact structure that they appear here.

See Program Structure on page 1 for a guide on the terminology and colour codes used in this progression plan.
Note 1: MATH1031 (T1,T3) or MATH1041 (T1, T2, T3) or MATH1131 (T1,T2,T3) or MATH1141 (T1,T3) or MATH1151 (T1)
Note 2: PHSL2101 (T1), BABS2202 (T2), BIOC2101 OR BIOC2181 (T2), BIOC2201 (T3), CHEM2021 (T2), CHEM2041 (T1,T3)
Note 3: PHAR3101 (T3), PHAR3102 (T1), PHAR3202 (T2), PHAR3251 (T1)

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Science

Bachelor of Science (3970)

2022 Commencing Students – Double Degree – Major in Pharmacology (PHARA1)

Choose from available proposed courses in each year

Year 1		
BABS1201 Molecules, Cells and Genes (T1, T3)	6 UOC Mathematics Level 1 Core (See Note 1)	Other Degree Course
CHEM1011 Chemistry 1A (T1, T2, T3) OR CHEM1031 Higher Chemistry 1A (T1)	CHEM1021 Chemistry 1 (T1, T2, T3) OR CHEM1041 Higher Chemistry 1B (T2)	Other Degree Course
6 UOC Science Elective	Other Degree Course	Other Degree Course

Year 2		
Other Degree Course	6 UOC Science Elective	PHAR2011 Introductory Pharmacology and Toxicology (T3)
PHSL2101 Physiology 1A (T1)	6 UOC Level 2 Prescribed Elective (See Note 2)	6 UOC Level 2 Prescribed Elective (See Note 2)
Other Degree Course	Other Degree Course	Other Degree Course

Year 3		
6 UOC Level 3 Prescribed Elective (See Note 3)	6 UOC Level 3 Prescribed Elective (See Note 3)	Other Degree Course
6 UOC Level 3 Prescribed Elective (See Note 3)	6 UOC Science Elective	Other Degree Course
Other Degree Course	Other Degree Course	Other Degree Course

Year 4		
6 UOC Science Elective	Other Degree Course	Other Degree Course
6 UOC Science Elective	Other Degree Course	Other Degree Course
Other Degree Course	Other Degree Course	Other Degree Course

NOTES

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See Program Structure on page 1 for a guide on the terminology and colour codes used in this progression plan.

In double degrees with Law or Engineering, a further 48uoc of other faculty course must be studied in addition to what is pictured here (Year 5)

Note 1: MATH1031 (T1,T3) or MATH1041 (T1, T2, T3) or MATH1131 (T1,T2,T3) or MATH1141 (T1,T3) or MATH1151 (T1)
Note 2: PHSL2101 (T1), BABS2202 (T2), BIOC2101 OR BIOC2181 (T2), BIOC2201 (T3), CHEM2021 (T2), CHEM2041 (T1,T3)
Note 3: PHAR3101 (T3), PHAR3102 (T1), PHAR3202 (T2), PHAR3251 (T1)

Information is correct as of 30/03/2023 and is based on proposed prerequisites and course availability. This is to be used as a guide only and does not replace individual advice. Refer to the Handbook and Class Timetable for the relevant term to check availability for these courses. Contact The Nucleus: Student Hub for further assistance. CRICOS Provider Code 00098G

Science

Bachelor of Science (3970)

2022 Commencing Students – Single Degree – Major in Physical Oceanography (MATHN1)

Choose from available proposed courses in each year

Year 1		
MATH1131 (T1,T2,T3) or MATH1141 (T1,T3)	MATH1231 (T1, T2, T3) or MATH1241 (T1, T2)	PHYS1221 (T1, T3) or PHYS1231 (T1, T3)
PHYS1121 (T1, T2, T3) or PHYS1131 (T1, T2, T3)	6 UOC Science Elective	6 UOC Science Elective
6 UOC Science Elective	6 UOC General Education	

Year 2		
MATH2241 Introduction to Atmosphere and Ocean Dynamics (T1)	MATH2121 (T2) or MATH2221 (T2)	6 UOC Science Elective
MATH2301 Mathematical Computing (T1)	6 UOC Science Elective	6 UOC Free Elective
MATH2011 (T1) or MATH2111 (T1)	6 UOC General Education	

Year 3		
MATH3121 Mathematical Methods and Partial Differential Equations (T1)	MATH3041 Mathematical Modelling for Real World Systems (T2)	MATH3261 Fluids, Oceans and Climate (T3)
6 UOC Science Elective	6 UOC Science Elective	6 UOC Free Elective
6 UOC Free Elective	6 UOC Free Elective	

NOTES

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Science

Bachelor of Science (3970)

2022 Commencing Students – Double Degree – Major in Physical Oceanography (MATHN1)

Choose from available proposed courses in each year

Year 1		
MATH1131 (T1,T2,T3) or MATH1141 (T1,T3)	MATH1231 (T1, T2, T3) or MATH1241 (T1, T2)	PHYS1221 (T1, T3) or PHYS1231 (T1, T3)
PHYS1121 (T1, T2, T3) or PHYS1131 (T1, T2, T3)	Other Degree Course	Other Degree Course
Other Degree Course	Other Degree Course	

Year 2		
MATH2241 Introduction to Atmosphere and Ocean Dynamics (T1)	MATH2121 (T2) or MATH2221 (T2)	Other Degree Course
MATH2301 Mathematical Computing (T1)	Other Degree Course	Other Degree Course
MATH2011 (T1) or MATH2111 (T1)	Other Degree Course	

Year 3		
MATH3121 Mathematical Methods and Partial Differential Equations (T1)	MATH3041 Mathematical Modelling for Real World Systems (T2)	MATH3261 Fluids, Oceans and Climate (T3)
Other Degree Course	Other Degree Course	Other Degree Course
Other Degree Course	Other Degree Course	

Year 4		
6 UoC Science Elective	6 UoC Science Elective	6 UoC Science Elective
6 UoC Science Elective	6 UoC Science Elective	Other Degree Course
Other Degree Course	Other Degree Course	

NOTES

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See Program Structure on page 1 for a guide on the terminology and colour codes used in this progression plan.

In double degrees with Law or Engineering, a further 48uoc of other faculty course must be studied in addition to what is pictured here (Year 5)

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Science

Bachelor of Science (3970)

2022 Commencing Students – Single Degree – Major in Physics (PHYSL1)

Choose from available proposed courses in each year

Year 1		
PHYS1121 (T1, T2, T3) OR PHYS1131 (T1, T2,T3) OR PHYS1141 (T1)	MATH1131, Maths 1A (T1,T2,T3) OR MATH1141 Higher Maths 1A (T1,T3)	MATH2069 Mathematics 2A (T3)
PHYS1221 (T1,T3) OR PHYS1231 (T1, T3), OR PHYS1241 (T2)	MATH1231 Maths 1B (T1, T2, T3) OR MATH1241 Higher Maths 1B (T1, T2)	6 UOC Science Elective
6 UOC Free Elective	6 UOC Free Elective	

Year 2		
PHYS2111 Quantum Physics (T1)	6 UOC Physics Level 2 or 3 Electives (See Note 1)	6 UOC Science Elective
MATH2089 Numerical Methods and Statistics (T1,T2)	PHYS2114 Electromagnetism (T2)	6 UOC Science Elective
6 UOC Free Elective	6 UOC Free Elective	

Year 3		
PHYS3112 Experimental and Computational Physics (T1)	PHYS3111 Quantum Mechanics (T2)	6 UOC Science Elective
PHYS3113 Thermal Physics and Statistical Mechanics (T1)	6 UOC Physics Level 2 or 3 Electives (See Note 1)	6 UOC Science Elective
6 UOC General Education	6 UOC General Education	

NOTES

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See Program Structure on page 1 for a guide on the terminology and colour codes used in this progression plan.

Note 1: PHYS2113(T2), PHYS2801 (T1), PHYS3114* (T3), PHYS3115 (T3), PHYS3116 (T3), PHYS3117 (T3), PHYS3118 (T2)
* Students who wish to take honours in Physics must take PHYS3114 Electrodynamics as one of their Physics electives.

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Science

Bachelor of Science (3970)

2022 Commencing Students – Double Degree – Major in Physics (PHYSL1)

Choose from available proposed courses in each year

Year 1		
PHYS1121 (T1, T2, T3) OR PHYS1131 (T1, T2,T3) OR PHYS1141 (T1)	MATH1131, Maths 1A (T1,T2,T3) OR MATH1141 Higher Maths 1A (T1,T3)	MATH2069 Mathematics 2A (T3)
PHYS1221 (T1,T3) OR PHYS1231 (T1, T3), OR PHYS1241 (T2)	MATH1231 Maths 1B (T1, T2, T3) OR MATH1241 Higher Maths 1B (T1, T2)	Other Degree Course
Other Degree Course	Other Degree Course	Other Degree Course

Year 2		
PHYS2111 Quantum Physics (T1)	6 UOC Physics Level 2 or 3 Electives (See Note 1)	Other Degree Course
MATH2089 Numerical Methods and Statistics (T1,T2)	PHYS2114 Electromagnetism (T2)	Other Degree Course
Other Degree Course	Other Degree Course	Other Degree Course

Year 3		
PHYS3112 Experimental and Computational Physics (T1)	PHYS3111 Quantum Mechanics (T2)	Other Degree Course
PHYS3113 Thermal Physics and Statistical Mechanics (T1)	6 UOC Physics Level 2 or 3 Electives (See Note 1)	Other Degree Course
Other Degree Course	Other Degree Course	Other Degree Course

Year 4		
6 UOC Science Elective	6 UOC Science Elective	Other Degree Course
6 UOC Science Elective	Other Degree Course	Other Degree Course
Other Degree Course	Other Degree Course	Other Degree Course

NOTES

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See Program Structure on page 1 for a guide on the terminology and colour codes used in this progression plan.

In double degrees with Law or Engineering, a further 48uoc of other faculty course must be studied in addition to what is pictured here (Year 5)

Note 1: PHYS2113(T2), PHYS2801 (T1), PHYS3114* (T3), PHYS3115 (T3), PHYS3116 (T3), PHYS3117 (T3), PHYS3118 (T2)

- Students who wish to take honours in Physics must take PHYS3114 Electrodynamics as one of their Physics electives.

Students in the Bachelor of Engineering or the Bachelor of Science/Advanced Science with a Physics and/or Maths Major must complete certain MATH requirements.

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Science

Bachelor of Science (3970)

2022 Commencing Students – Single Degree – Major in Physiology (PHSLA1)

Choose from available proposed courses in each year

Year 1		
BABS1201 Molecules, Cells and Genes (T1, T3)	6 UOC Level 1 Prescribed Elective (See Note 2)	6 UOC Science Elective
CHEM1011 (T1, T2, T3) or CHEM1031 (T1)	6 UOC Science Elective	6 UOC Free Elective
6 UOC Mathematics Core Level 1 (See Note 1)	6 UOC General Education	

Year 2		
PHSL2101 Physiology 1A (T1)	PHSL2201 Physiology 1B (T2)	6 UOC Level 2 Prescribed Elective (See Note 3)
6 UOC Science Elective	6 UOC Level 2 Prescribed Elective (See Note 3)	6 UOC General Education
6 UOC Science Elective	6 UOC Science Elective	

Year 3		
6 UOC Level 3 Prescribed Elective (See Note 4)	6 UOC Level 3 Prescribed Elective (See Note 4)	6 UOC Level 3 Prescribed Elective (See Note 4)
6 UOC Science Elective	6 UOC Science Elective	6 UOC Free Elective
6 UOC Free Elective	6 UOC Free Elective	

NOTES

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See Program Structure on page 1 for a guide on the terminology and colour codes used in this progression plan.

Note 1: 6 uoc Mathematics Level 1 Core: MATH1031 (T1, T3) or MATH1041 (T1, T2, T3) or MATH1131 (T1, T2, T3) or MATH1141 (T1, T3) or MATH1151 (T1)
Note 2: Level 1 Prescribed Elective: BIOS1101 (T2), CHEM1021 (T1, T2, T3), CHEM1041 (T2), PHYS1111 (T1, T3), PHYS1121 (T1, T2, T3), PHYS1131 (T1, T2, T3)
Note 3: Level 2 Prescribed Elective: BIOC2101 (T2) or BIOC2181 (T2), NEUR2201 (T2), BIOC2201 (T3), PHAR2011 (T3)
Note 4: Level 3 Prescribed Elective: NEUR3121 (T1), NEUR3101 (T2), PHSL3211 (T2), NEUR3221 (T3), PHSL3221 (T3)

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Science

Bachelor of Science (3970)

2022 Commencing Students – Double Degree – Major in Physiology (PHSLA1)

Choose from available proposed courses in each year

Year 1		
BABS1201 Molecules, Cells and Genes (T1, T3)	6 UOC Level 1 Prescribed Elective (See Note 2)	Other Degree Course
CHEM1011 (T1, T2, T3) or CHEM1031 (T1)	Other Degree Course	Other Degree Course
6 UOC Mathematics Core Level 1 (See Note 1)	Other Degree Course	

Year 2		
PHSL2101 Physiology 1A (T1)	PHSL2201 Physiology 1B (T2)	6 UOC Level 2 Prescribed Elective (See Note 3)
Other Degree Course	6 UOC Level 2 Prescribed Elective (See Note 3)	Other Degree Course
Other Degree Course	Other Degree Course	

Year 3		
6 UOC Level 3 Prescribed Elective (See Note 4)	6 UOC Level 3 Prescribed Elective (See Note 4)	6 UOC Level 3 Prescribed Elective (See Note 4)
Other Degree Course	Other Degree Course	Other Degree Course
Other Degree Course	Other Degree Course	

Year 4		
6 UOC Science Elective	6 UOC Science Elective	6 UOC Science Elective
6 UOC Science Elective	6 UOC Science Elective	Other Degree Course
Other Degree Course	Other Degree Course	

NOTES

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See Program Structure on page 1 for a guide on the terminology and colour codes used in this progression plan.

In double degrees with Law or Engineering, a further 48uoc of other faculty course must be studied in addition to what is pictured here (Year 5)

Note 1: 6 uoc Mathematics Level 1 Core: MATH1031 (T1, T3) or MATH1041 (T1, T2, T3) or MATH1131 (T1, T2, T3) or MATH1141 (T1, T3) or MATH1151 (T1)
Note 2: Level 1 Prescribed Elective: BIOS1101 (T2), CHEM1021 (T1, T2, T3), CHEM1041 (T2), PHYS1111 (T1, T3), PHYS1121 (T1, T2, T3), PHYS1131 (T1, T2, T3)
Note 3: Level 2 Prescribed Elective: BIOC2101 (T2) or BIOC2181 (T2), NEUR2201 (T2), BIOC2201 (T3), PHAR2011 (T3)
Note 4: Level 3 Prescribed Elective: NEUR3121 (T1), NEUR3101 (T2), PHSL3211 (T2), NEUR3221 (T3), PHSL3221 (T3)

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Science

Bachelor of Science (3970)

2022 Commencing Students – Single Degree – Major in Psychology (PSYCA1)

Choose from available proposed courses in each year

Year 1		
PSYC1001 Psychology 1A (T1, T2)	PSYC1011 Psychology 1B (T2, T3)	PSYC1111 (T3)
6 UOC Science Elective	6 UOC Science Elective	6 UOC Science Elective
6 UOC Free Elective	6 UOC Free Elective	

Year 2		
PSYC2001 Research Methods 2 (T1)	PSYC2081 Learning and Physiological Psychology (T2)	PSYC2101 Assessment, Personality and Psychopathology (T3)
PSYC2061 Social and Developmental Psychology (T1)	6 UOC Science Elective	PSYC2071 Perception and Cognition (T3)
6 UOC Free Elective	6 UOC General Education	

Year 3		
PSYC3001 Research Methods 3 (T1)	6 UOC Level 3 Prescribed Elective (See Note 1)	PSYC3011 Research and Applications of Psychology (T3)
6 UOC Level 3 Prescribed Elective (See Note 1)	6 UOC Level 3 Prescribed Elective (See Note 1)	6 UOC Science Elective
6 UOC Free Elective	6 UOC General Education	

NOTES

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See Program Structure on page 1 for a guide on the terminology and colour codes used in this progression plan.

Note 1: Level 3 Prescribed Electives - Students must take 18 UOC of the following courses with at least 6 UOC from List A and 6 UOC from List B.

- **List A: PSYC3211 (T1), PSYC3221 (T1), PSYC3241 (T1), PSYC3051 (T2), PSYC3311 (T2), PSYC3371 (T3)**
- **List B: PSYC3341 (T2), PSYC3361 (T2), PSYC3301 (T2), PSYC3121 (T3), PSYC3202 (T3), PSYC3331 (T3)**

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Science

Bachelor of Science (3970)

2022 Commencing Students – Double Degree – Major in Psychology (PSYCA1)

Choose from available proposed courses in each year

Year 1		
PSYC1001 Psychology 1A (T1, T2)	PSYC1011 Psychology 1B (T2, T3)	PSYC1111 (T3)
6 UOC Science Elective	Other Degree Course	Other Degree Course
Other Degree Course	Other Degree Course	

Year 2		
PSYC2001 Research Methods 2 (T1)	PSYC2081 Learning and Physiological Psychology (T2)	PSYC2101 Assessment, Personality and Psychopathology (T3)
Other Degree Course	Other Degree Course	PSYC2071 Perception and Cognition (T3)
Other Degree Course	Other Degree Course	

Year 3		
PSYC3001 Research Methods 3 (T1)	6 UOC Level 3 Prescribed Elective (See Note 1)	PSYC3011 Research and Applications of Psychology (T3)
PSYC2061 Social and Developmental Psychology (T1)	Other Degree Course	Other Degree Course
Other Degree Course	Other Degree Course	

Year 4		
6 UOC Level 3 Prescribed Elective (See Note 1)	6 UOC Level 3 Prescribed Elective (See Note 1)	6 UOC Science Elective
6 UOC Science Elective	Other Degree Course	Other Degree Course
Other Degree Course	Other Degree Course	

NOTES

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In double degrees with Law or Engineering, a further 48uoc of other faculty course must be studied in addition to what is pictured here (Year 5)

Note 1: Level 3 Prescribed Electives - Students must take 18 UOC of the following courses with at least 6 UOC from List A and 6 UOC from List B.

- **List A: PSYC3211 (T1), PSYC3221 (T1), PSYC3241 (T1), PSYC3051 (T2), PSYC3311 (T2), PSYC3371 (T3)**
- **List B: PSYC3341 (T2), PSYC3361 (T2), PSYC3301 (T2), PSYC3121 (T3), PSYC3202 (T3), PSYC3331 (T3)**

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Science

Bachelor of Science (3970)

2022 Commencing Students – Single Degree – Major in Statistics (MATHT1)

Choose from available proposed courses in each year

Year 1		
MATH1131, Maths 1A (T1,T2,T3) OR MATH1141 Higher Maths 1A (T1,T3)	MATH1231 Maths 1B (T1, T2, T3) OR MATH1241 Higher Maths 1B (T1, T2)	6 UOC Science Elective
6 UOC Science Elective	6 UOC Science Elective	6 UOC Science Elective
6 UOC Free Elective	6 UOC Free Elective	

Year 2		
MATH2011 OR MATH2111 (T1)	MATH2801 Theory of Statistics OR MATH2901 Higher Theory of Statistics (T2)	MATH2831 Linear Models OR MATH2931 Higher Linear Models (T3)
6 UOC Science Elective	MATH2501 OR MATH2601 (T2)	6 UOC Science Elective
6 UOC Free Elective	6 UOC Free Elective	

Year 3		
MATH3811 Statistical Inference or MATH3911 Higher Statistical Inference (T1)	MATH3831 (T2), MATH3841, MATH3851 (T3), MATH3871 (T3)	6 UOC General Education
MATH3801 OR MATH3901 (T1)	MATH3821 Statistical Modelling and Computing (T2)	6 UOC General Education
6 UOC Science Elective	6 UOC Science Elective	

NOTES

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Science

Bachelor of Science (3970)

2022 Commencing Students – Double Degree – Major in Statistics (MATHT1)

Choose from available proposed courses in each year

Year 1		
MATH1131, Maths 1A (T1,T2,T3) OR MATH1141 Higher Maths 1A (T1,T3)	MATH1231 Maths 1B (T1, T2, T3) OR MATH1241 Higher Maths 1B (T1, T2)	6 UOC Science Elective
6 UOC Science Elective	6 UOC Science Elective	6 UOC Science Elective
Other Degree Course	Other Degree Course	

Year 2		
Other Degree Course	MATH2801 Theory of Statistics OR MATH2901 Higher Theory of Statistics (T2)	MATH2831 Linear Models OR MATH2931 Higher Linear Models (T3)
Other Degree Course	MATH2011 or MATH2111 (T1)	MATH2501 OR MATH2601 (T2)
Other Degree Course	Other Degree Course	

Year 3		
MATH3811 Statistical Inference or MATH3911 Higher Statistical Inference (T1)	MATH3831 (T2), MATH3841, MATH3851 (T3), MATH3871 (T3)	Other Degree Course
MATH3801 OR MATH3901 (T1)	MATH3821 Statistical Modelling and Computing (T2)	Other Degree Course
Other Degree Course	Other Degree Course	

Year 4		
6 UOC Science Elective	Other Degree Course	Other Degree Course
6 UOC Science Elective	Other Degree Course	Other Degree Course
Other Degree Course	Other Degree Course	

NOTES

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Science

Bachelor of Science (3970)

2022 Commencing Students – Single Degree – Major in Vision Science (VISNA1)

Choose from available proposed courses in each year

Year 1		
BABS1201 Molecules, Cells and Genes (T1, T3)	VISN1111 Geometrical and Physical Optics (T2	VISN1221 Visual Optics (T3)
VISN1101 Seeing the World: Perspectives from Vision Science (T1)	CHEM1011 Chemistry 1A (T1, T2, T3) OR CHEM1031 Higher Chemistry 1A (T1)	6 UOC Science Elective
MATH1031 (T1, T3) OR MATH1131 Maths 1A (T1,T2,T3) OR MATH1141 Higher Maths 1A (T1,T3)	6 UOC Science Elective	

Year 2		
6 UOC Science Elective	PHSL2201 Physiology 1B (T2)	6 UOC Science Elective
PHSL2101 Physiology 1A (T1)	VISN2111 Ocular Anatomy and Physiology (T2)	VISN2211 Organisation and Function of the Visual System (T3)
ANAT2111 Introductory Anatomy (T1,T2)	6 UOC Free Elective	

Year 3		
ANAT3411 Neuroanatomy (T1)	6 UOC Free Elective	6 UOC General Education
OPTM3201 Ocular Imaging & Applied Vision Science (T1)	6 UOC Free Elective	6 UOC General Education
VISN3111 Development and Aging of the Visual System (T1)	6 UOC Free Elective	

NOTES	
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Science

Bachelor of Science (3970)

2022 Commencing Students – Double Degree – Major in Vision Science (VISNA1)

Choose from available proposed courses in each year

Year 1		
BABS1201 Molecules, Cells and Genes (T1, T3)	VISN1111 Geometrical and Physical Optics (T2	VISN1221 Visual Optics (T3)
VISN1101 Seeing the World: Perspectives from Vision Science (T1)	CHEM1011 Chemistry 1A (T1, T2, T3) OR CHEM1031 Higher Chemistry 1A (T1)	Other Degree Course
MATH1031 (T1, T3) OR MATH1131 Maths 1A (T1,T2,T3) OR MATH1141 Higher Maths 1A (T1,T3)	Other Degree Course	Other Degree Course

Year 2		
Other Degree Course	PHSL2201 Physiology 1B (T2)	Other Degree Course
PHSL2101 Physiology 1A (T1)	VISN2111 Ocular Anatomy and Physiology (T2)	VISN2211 Organisation and Function of the Visual System (T3
ANAT2111 Introductory Anatomy (T1,T2)	Other Degree Course	Other Degree Course

Year 3		
ANAT3411 Neuroanatomy (T1)	Other Degree Course	Other Degree Course
OPTM3201 Ocular Imaging & Applied Vision Science (T1)	Other Degree Course	Other Degree Course
VISN3111 Development and Aging of the Visual System (T1)	Other Degree Course	Other Degree Course

Year 4		
6 UOC Science Elective	Other Degree Course	Other Degree Course
6 UOC Science Elective	Other Degree Course	Other Degree Course
Other Degree Course	Other Degree Course	Other Degree Course

NOTES	
	This is intended as a guide only. Courses do not need to be studied in the exact structure that they appear here. **See Program Structure on page 1 for a guide on the terminology and colour codes used in this progression plan.** **In double degrees with Law or Engineering, a further 48uoc of other faculty course must be studied in addition to what is pictured here (Year 5)**

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