Course progression map for October 2020 commencing students

This progression map provides advice on the suitable sequencing of units and guidance on how to plan unit enrolment for each semester of study. It does not substitute for the list of required units as described in the course 'Requirements' section of the Handbook.

S2000 Bachelor of Science

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Major: Applied microbiology

YEAR 1

1st Semester { **October, 2020** }	**BIO1022** **Life on Earth**	**CHM1051** **Chemistry 1 advanced**	**SCI1020** **Introduction to statistical reasoning**	Elective
2nd Semester { **Sem 1, 2021** }	**BIO1011** **Blueprints for life**	**CHM1052** **Chemistry 2 advanced**	Science unit – Level 1	Elective

YEAR 2

1st Semester { **Sem 2, 2021** }	**BTH2732** **Recombinant DNA technology**	**SCI2010** **Scientific practice and communication**	Elective	Elective
2nd Semester { **Sem 1, 2022** }	**BTH2830** **Fundamentals of microbiology**	Science unit – Level 2 or 3	Elective	Elective

YEAR 3

1st Semester { **Sem 2, 2022** }	Two units from: **BTH3722 Medical microbiology** **BTH3752 Molecular biology and biotechnology** **SCI3990 Science in action research project**		Science unit – Level 2 or 3	Elective
Summer Semester **2022/2023**	**SCI1800 Introduction to environmental sustainability** or **SCI3800 Science internship** *(Recommended Elective)*			
2nd Semester { **Sem 1, 2023** }	**BTH3732** **Environmental microbiology**	**FST3711** **Food and industrial microbiology**	Science unit – Level 2 or 3	

A	Science specified study
B	Science listed major
C	Free elective study

Notes:
No more than two units can normally be credited towards two majors, or a major and a minor. The same unit is not normally credited to two minors.

Updated on 3 December 2020

Course progression map for October 2020 commencing students

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S2000 Bachelor of Science

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Major: Biotechnology

YEAR 1

1st Semester { **October, 2020** }	**BIO1022** **Life on Earth**	**CHM1051** **Chemistry 1 advanced**	**SCI1020** **Introduction to statistical reasoning**	Elective
2nd Semester { **Sem 1, 2021** }	**BIO1011** **Blueprints for life**	**CHM1052** **Chemistry 2 advanced**	Science unit – Level 1	Elective

YEAR 2

1st Semester { **Sem 2, 2021** }	**BTH2732** **Recombinant DNA technology**	**SCI2010** **Scientific practice and communication**	Elective	Elective
2nd Semester { **Sem 1, 2022** }	**GEN2041** **Foundations of genetics**	Science unit – Level 2 or 3	Elective	Elective

YEAR 3

1st Semester { **Sem 2, 2022** }	**GEN3051** **Medical and forensic genetics**	**One unit from:** **BTH3752 Molecular biology and biotechnology** **SCI3990 Science in action research project**	Science unit – Level 2 or 3	Elective
Summer Semester **2022/2023**	**SCI1800 Introduction to environmental sustainability** or **SCI3800 Science internship** *(Recommended Elective)*			
2nd Semester { **Sem 1, 2023** }	**SCI3716** **Laboratory and workplace management**	**One unit from:** **BTH3820 Plant biotechnology** **GEN3040 Genomics and its applications**	Science unit – Level 2 or 3	

A	Science specified study
B	Science listed major
C	Free elective study

Notes:
No more than two units can normally be credited towards two majors, or a major and a minor. The same unit is not normally credited to two minors.

Source: Monash University 2020 Handbook - https://handbook.monash.edu/2020/courses/S2000/
CRICOS Provider Number: 00008C

Updated on 3 December 2020

Course progression map for October 2020 commencing students

This progression map provides advice on the suitable sequencing of units and guidance on how to plan unit enrolment for each semester of study. It does not substitute for the list of required units as described in the course 'Requirements' section of the Handbook.

S2000 Bachelor of Science

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		SCI3990 Science in action research project	

Extended major: Biotechnology

YEAR 1

1st Semester { **October, 2020** }	**BIO1022** **Life on Earth**	**CHM1051** **Chemistry 1 advanced**	**SCI1020** **Introduction to statistical reasoning**	Elective
2nd Semester { **Sem 1, 2021** }	**BIO1011** **Blueprints for life**	**CHM1052** **Chemistry 2 advanced**	Science unit – Level 1	Elective

YEAR 2

1st Semester { **Sem 2, 2021** }	**BTH2732** **Recombinant DNA technology**	**SCI2010** **Scientific practice and communication**	Elective	Elective
2nd Semester { **Sem 1, 2022** }	**BTH2741** **Biochemistry**	**BTH2830** **Fundamentals of microbiology**	**GEN2041** **Foundations of genetics**	Elective

YEAR 3

1st Semester { **Sem 2, 2022** }	**GEN3051 Medical and forensic genetics**	**Two units from:** **BTH3722 Medical microbiology** **BTH3752 Molecular biology and biotechnology** **SCI3990 Science in action research project**	Elective
Summer Semester **2022/2023**	**SCI1800 Introduction to environmental sustainability** or **SCI3800 Science internship** *(Recommended Elective)*		
2nd Semester { **Sem 1, 2023** }	**SCI3716 Laboratory and workplace management**	**Two units from:** **BTH3820 Plant biotechnology**	

A	Science specified study
B	Science listed major
C	Free elective study

Notes:
No more than two units can normally be credited towards two majors, or a major and a minor. The same unit is not normally credited to two minors.

Updated on 3 December 2020

MONASH University MALAYSIA

Course progression map for October 2020 commencing students

This progression map provides advice on the suitable sequencing of units and guidance on how to plan unit enrolment for each semester of study. It does not substitute for the list of required units as described in the course 'Requirements' section of the Handbook.

S2000 Bachelor of Science

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		GEN3040 Genomics and its applications **SCI3990 Science in action research project**	

Major: Genomics and bioinformatics

YEAR 1

1st Semester { **October, 2020** }	**BIO1022** **Life on Earth**	**CHM1051** **Chemistry 1 advanced**	**SCI1020** **Introduction to statistical reasoning**	Elective
2nd Semester { **Sem 1, 2021** }	**BIO1011** **Blueprints for life**	**CHM1052** **Chemistry 2 advanced**	Science unit – Level 1	Elective

YEAR 2

1st Semester { **Sem 2, 2021** }	**SCI2010** **Scientific practice and communication**	Elective	Elective	Elective
2nd Semester { **Sem 1, 2022** }	**GEN2041** **Foundations of genetics**	Science unit – Level 2 or 3	Science unit – Level 2 or 3	Elective

YEAR 3

1st Semester { **Sem 2, 2022** }	**BIN3890** **Research methods in bioinformatics and big data analysis**	**GEN2052** **Genomics and population genetics**	**GEN3040** **Genomics and its applications**	**GEN3051** **Medical and forensic genetics**
Summer Semester **2022/2023**	**SCI1800 Introduction to environmental sustainability** or **SCI3800 Science internship** *(Recommended Elective)*			
2nd Semester { **Sem 1, 2023** }	**BIN3800** **Bioinformatics**	Science unit – Level 2 or 3	**SCI3990**	

A	Science specified study
B	Science listed major
C	Free elective study

Notes:
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Course progression map for October 2020 commencing students

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S2000 Bachelor of Science

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			Science in action research project *(Recommended Elective)*	

Major: Medicinal chemistry

YEAR 1

1st Semester { **October, 2020** }	**BIO1022 Life on Earth**	**CHM1051 Chemistry 1 advanced**	**SCI1020 Introduction to statistical reasoning**	Elective
2nd Semester { **Sem 1, 2021** }	**BIO1011 Blueprints for life**	**CHM1052 Chemistry 2 advanced**	Science unit – Level 1	Elective

YEAR 2

1st Semester { **Sem 2, 2021** }	**CHM2922 Spectroscopy and analytical chemistry**	**SCI2010 Scientific practice and communication**	Elective	Elective
2nd Semester { **Sem 1, 2022** }	**CHM2911 Inorganic and organic chemistry**	***PHY2810 Physiology of human body systems** or Science unit – Level 2 or 3 (*must complete either PHY2810 or PHY2820)	**BTH2741 Biochemistry** (*Recommended Elective*)	Elective

YEAR 3

1st Semester { **Sem 2, 2022** }	**CHM3922 Advanced organic chemistry**	***PHY2820 Physiology of human health** or Science unit – Level 2 or 3 (*must complete either PHY2810 or PHY2820)	Science unit – Level 3	Science unit – Level 2 or 3

A	Science specified study
B	Science listed major
C	Free elective study

Notes:
No more than two units can normally be credited towards two majors, or a major and a minor. The same unit is not normally credited to two minors.

Updated on 3 December 2020

Course progression map for October 2020 commencing students

This progression map provides advice on the suitable sequencing of units and guidance on how to plan unit enrolment for each semester of study. It does not substitute for the list of required units as described in the course 'Requirements' section of the Handbook.

S2000 Bachelor of Science

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Summer Semester **2022/2023**	**SCI1800 Introduction to environmental sustainability** or **SCI3800 Science internship** *(Recommended Elective)*			
2nd Semester **{ Sem 1, 2023 }**	**CHM3930 Medicinal chemistry**	**PHA3801 Principles of pharmacology**	**SCI3990 Science in action research project** *(Recommended Elective)*	

Major: Psychology

YEAR 1

1st Semester **{ October, 2020 }**	**BIO1022 Life on Earth**	**PSY1022 Psychology 1B**	**SCI1020 Introduction to statistical reasoning**	Elective
2nd Semester **{ Sem 1, 2021 }**	**BIO1011 Blueprints for life**	**PSY1011 Psychology 1A**	Science unit – Level 1	Elective

YEAR 2

1st Semester **{ Sem 2, 2021 }**	**PSY2042 Personality and social psychology**	**SCI2010 Scientific practice and communication**	Elective	Elective
2nd Semester **{ Sem 1, 2022 }**	**PSY2061 Biological psychology**	**PSY2071 Development psychology**	Science unit – Level 2 or 3	Elective

YEAR 3

1st Semester **{ Sem 2, 2022 }**	**PSY3032 Abnormal psychology**	Science unit – Level 3	Science unit – Level 2 or 3	Elective
Summer Semester **2022/2023**	**SCI1800 Introduction to environmental sustainability** or **SCI3800 Science internship** *(Recommended Elective)*			

A	Science specified study
B	Science listed major
C	Free elective study

Notes:
No more than two units can normally be credited towards two majors, or a major and a minor. The same unit is not normally credited to two minors.

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CRICOS Provider Number: 00008C

Updated on 3 December 2020

Course progression map for October 2020 commencing students

This progression map provides advice on the suitable sequencing of units and guidance on how to plan unit enrolment for each semester of study. It does not substitute for the list of required units as described in the course 'Requirements' section of the Handbook.

S2000 Bachelor of Science

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2nd Semester { **Sem 1, 2023** }	**PSY3041** **Psychological testing theories of ability and ethics**	**PSY3051** **Perception and cognitive psychology**	Elective

Extended major - APAC accredited: Psychology

YEAR 1

1st Semester { **October, 2020** }	**BIO1022** **Life on Earth**	**PSY1022** **Psychology 1B**	**SCI1020** **Introduction to statistical reasoning**	Elective
2nd Semester { **Sem 1, 2021** }	**BIO1011** **Blueprints for life**	**PSY1011** **Psychology 1A**	Science unit – Level 1	Elective

YEAR 2

1st Semester { **Sem 2, 2021** }	**PSY2042** **Personality and social psychology**	**PSY2112** **Organisational psychology**	**SCI2010 Scientific practice and communication**	Elective
2nd Semester { **Sem 1, 2022** }	**PSY2061** **Biological psychology**	**PSY2071** **Development psychology**	Elective	Elective

YEAR 3

1st Semester { **Sem 2, 2022** }	**PSY3032** **Abnormal psychology**	**PSY3062** **Research methods and theory**	Science unit – Level 2 or 3	Elective
Summer Semester				

A	Science specified study
B	Science listed major
C	Free elective study

Notes:
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S2000 Bachelor of Science

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2022/2023	**SCI1800 Introduction to environmental sustainability** or **SCI3800 Science internship** *(Recommended Elective)*			
2nd Semester { **Sem 1, 2023** }	**PSY3041** **Psychological testing theories of ability and ethics**	**PSY3051** **Perception and cognitive psychology**	Elective	

Major: Tropical environmental biology

YEAR 1

1st Semester { **October, 2020** }	**BIO1022** **Life on Earth**	**CHM1051** **Chemistry 1 advanced**	**SCI1020** **Introduction to statistical reasoning**	Elective
2nd Semester { **Sem 1, 2021** }	**BIO1011** **Blueprints for life**	**CHM1052** **Chemistry 2 advanced**	Science unit – Level 1	Elective

YEAR 2

1st Semester { **Sem 2, 2021** }	**ENV1800** **Environmental science: A Southeast Asian perspective**	**STA2216** **Data analysis for science**	**SCI2010** **Scientific practice and communication**	Elective
2nd Semester { **Sem 1, 2022** }	**BIO2810** **Introduction to ecological applications**	Science unit – Level 2 or 3	Elective	Elective

YEAR 3

A	Science specified study	Notes: *No more than two units can normally be credited towards two majors, or a major and a minor. The same unit is not normally credited to two minors.*
B	Science listed major	
C	Free elective study	

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S2000 Bachelor of Science

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1st Semester **{ Sem 2, 2022 }**	**ENV2726 Ecosystems and bioresources**	**BIO3820 Tropical terrestrial biology**	Science unit – Level 3	Science unit – Level 2 or 3
Summer Semester **2022/2023**	**SCI1800 Introduction to environmental sustainability** or **SCI3800 Science internship** *(Recommended Elective)*			
2nd Semester **{ Sem 1, 2023 }**	**BIO3800 Tropical environmental management**	**BIO3810 Tropical aquatic biology**	**SCI3990 Science in action research project** *(Recommended Elective)*	

Extended major: Tropical environmental biology

YEAR 1

1st Semester **{ October, 2020 }**	**BIO1022 Life on Earth**	**CHM1051 Chemistry 1 advanced**	**SCI1020 Introduction to statistical reasoning**	Elective
2nd Semester **{ Sem 1, 2021 }**	**BIO1011 Blueprints for life**	**CHM1052 Chemistry 2 advanced**	Science unit – Level 1	Elective

YEAR 2

1st Semester **{ Sem 2, 2021 }**	**ENV1800 Environmental science: A Southeast Asian perspective**	**STA2216 Data analysis for science**	**SCI2010 Scientific practice and communication**	Elective
2nd Semester **{ Sem 1, 2022 }**	**BIO2810 Introduction to ecological applications**	**BTH2830 Fundamentals of microbiology**	Elective	Elective

A	Science specified study
B	Science listed major
C	Free elective study

Notes:
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S2000 Bachelor of Science

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YEAR 3

1st Semester { **Sem 2, 2022** }	**ENV2726** **Ecosystems and bioresources**	**BIO3820** **Tropical terrestrial biology**	Science unit – Level 2 or 3	Elective
Summer Semester **2022/2023**	**SCI1800 Introduction to environmental sustainability** or **SCI3800 Science internship** *(Recommended Elective)*			
2nd Semester { **Sem 1, 2023** }	**BIO3800** **Tropical environmental management**	**BIO3810** **Tropical aquatic biology**	**One unit from:** **BTH3732** **Environmental microbiology** **SCI3990** **Science in action research project**	

A	Science specified study	Notes: *No more than two units can normally be credited towards two majors, or a major and a minor. The same unit is not normally credited to two minors.*
B	Science listed major	
C	Free elective study	

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