

Course progression map for July Intake 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.

Bachelor of Science [Course code: S2000]

This outline is a guide only. The complete course requirements are specified in the University Handbook. The placement of units may be rearranged to provide flexibility in choice of elective units.

YEAR 1

1 st Semester	- Science major - Approved Level 1	Approved Level 1	*SCI1020 Introduction to statistical reasoning or Science unit – Level 1 (*must complete either SCI1020 or STA1010)	Elective
2 nd Semester	- Science major - Approved Level 1	Approved Level 1	*STA1010 Statistical methods for science or Science unit – Level 1 (*must complete either SCI1020 or STA1010)	Elective

YEAR 2

1 st Semester	Science major Level 2	SCI2010 Scientific practice and communication	Elective	Elective
2 nd Semester	Science major Level 2	Science unit – Level 2 or 3	Elective	Elective

YEAR 3

1 st Semester	Science major Level 3	Science major Level 3	Science unit – Level 2 or 3	Elective
Summer Semester	SCI1800 The sustainable planet or SCI3800 Science internship (<i>Recommended Elective</i>)			
2 nd Semester	Science major Level 3	Science major Level 3	Science unit – Level 2 or 3	

A	Science specified study	IMPORTANT NOTES 1. Students must pass the General Studies (GS) units under each cluster (U1, U2, U3 & U4) in order to graduate. 2. Students must ensure they meet all course requirements as specified in the University Handbook for the year in which they started their course.
B	Science listed major	
C	Free elective study	

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Bachelor of Science - Major: Applied microbiology

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YEAR 1

1 st Semester	BIO1011 Biology I	CHM1051 Chemistry I advanced	*SCI1020 Introduction to statistical reasoning <u>or</u> Science unit – Level 1 (*must complete either SCI1020 or STA1010)	Elective
2 nd Semester	BIO1022 Biology II	CHM1052 Chemistry II advanced	*STA1010 Statistical methods for science <u>or</u> Science unit – Level 1 (*must complete either SCI1020 or STA1010)	Elective

YEAR 2

1 st Semester	BTH2732 Recombinant DNA technology	SCI2010 Scientific practice and communication	Elective	Elective
2 nd Semester	BTH2830 Fundamentals of microbiology	Science unit – Level 2 or 3	Elective	Elective

YEAR 3

1 st Semester	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	SCI1800 The sustainable planet <u>or</u> SCI3800 Science internship (<i>Recommended Elective</i>)			
2 nd Semester	BTH3711 Food and industrial microbiology	BTH3732 Environmental microbiology	Science unit – Level 2 or 3	

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B	Science listed major	
C	Free elective study	

Source: Monash University 2017 Handbook – <https://www.monash.edu.au/pubs/2017handbooks/courses/S2000.html>
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Bachelor of Science - Major: Biotechnology

This outline is a guide only. The complete course requirements are specified in the University Handbook.

YEAR 1

1 st Semester	BIO1011 Biology I	CHM1051 Chemistry I advanced	*SCI1020 Introduction to statistical reasoning <u>or</u> Science unit – Level 1 (*must complete either SCI1020 or STA1010)	Elective
2 nd Semester	BIO1022 Biology II	CHM1052 Chemistry II advanced	*STA1010 Statistical methods for science <u>or</u> Science unit – Level 1 (*must complete either SCI1020 or STA1010)	Elective

YEAR 2

1 st Semester	BTH2732 Recombinant DNA technology	SCI2010 Scientific practice and communication	Elective	Elective
2 nd Semester	GEN2041 Foundations of genetics	Science unit – Level 2 or 3	Elective	Elective

YEAR 3

1 st Semester	Two units from: BTH3752 Molecular biology and biotechnology BTH3820 Plant biotechnology GEN3040 Genomics and its applications SCI3990 Science in action research project	Science unit – Level 2 or 3	Elective
Summer Semester	SCI1800 The sustainable planet <u>or</u> SCI3800 Science internship (<i>Recommended Elective</i>)		
2 nd Semester	GEN3051 Medical and forensic genetics	SCI3716 Laboratory and workplace management	Science unit – Level 2 or 3

A	Science specified study	IMPORTANT NOTES 1. Students must pass the General Studies (GS) units under each cluster (U1, U2, U3 & U4) in order to graduate. 2. Students must ensure they meet all course requirements as specified in the University Handbook for the year in which they started their course.
B	Science listed major	
C	Free elective study	

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Course progression map for July 2017 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.

Bachelor of Science – Extended major: Biotechnology

This outline is a guide only. The complete course requirements are specified in the University Handbook.

YEAR 1

1 st Semester	BIO1011 Biology I	CHM1051 Chemistry I advanced	*SCI1020 Introduction to statistical reasoning or Science unit – Level 1 (*must complete either SCI1020 or STA1010)	Elective
2 nd Semester	BIO1022 Biology II	CHM1052 Chemistry II advanced	*STA1010 Statistical methods for science or Science unit – Level 1 (*must complete either SCI1020 or STA1010)	Elective

YEAR 2

1 st Semester	BTH2732 Recombinant DNA technology	SCI2010 Scientific practice and communication	Elective	Elective
2 nd Semester	BTH2741 Biochemistry	BTH2830 Fundamentals of microbiology	GEN2041 Foundations of genetics	Elective

YEAR 3

1 st Semester	Four units from: BTH3722 Medical microbiology BTH3752 Molecular biology and biotechnology BTH3820 Plant biotechnology GEN3040 Genomics and its applications SCI3990 Science in action research project			
Summer Semester	SCI1800 The sustainable planet or SCI3800 Science internship (<i>Recommended Elective</i>)			
2 nd Semester	GEN3051 Medical and forensic genetics	SCI3716 Laboratory and workplace management	Elective	

A	Science specified study	IMPORTANT NOTES 1. Students must pass the General Studies (GS) units under each cluster (U1, U2, U3 & U4) in order to graduate. 2. Students must ensure they meet all course requirements as specified in the University Handbook for the year in which they started their course.
B	Science listed major	
C	Free elective study	

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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.

Bachelor of Science - Major: Medicinal chemistry

This outline is a guide only. The complete course requirements are specified in the University Handbook.

YEAR 1

1 st Semester	BIO1011 Biology I	CHM1051 Chemistry I advanced	*SCI1020 Introduction to statistical reasoning or Science unit – Level 1 (*must complete either SCI1020 or STA1010)	Elective
2 nd Semester	BIO1022 Biology II	CHM1052 Chemistry II advanced	*STA1010 Statistical methods for science or Science unit – Level 1 (*must complete either SCI1020 or STA1010)	Elective

YEAR 2

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

YEAR 3

1 st Semester	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 2 or 3	Elective
Summer Semester	SCI1800 The sustainable planet or SCI3800 Science internship (<i>Recommended Elective</i>)			
2 nd Semester	CHM3930 Medicinal chemistry	PHA3801 Principles of pharmacology	Science unit – Level 3	

A	Science specified study	IMPORTANT NOTES 1. Students must pass the General Studies (GS) units under each cluster (U1, U2, U3 & U4) in order to graduate. 2. Students must ensure they meet all course requirements as specified in the University Handbook for the year in which they started their course.
B	Science listed major	
C	Free elective study	

Course progression map for July 2017 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.

Bachelor of Science - Major: Psychology

This outline is a guide only. The complete course requirements are specified in the University Handbook.

YEAR 1

1 st Semester	BIO1011 Biology I	PSY1022 Psychology 1B	*SCI1020 Introduction to statistical reasoning or Science unit – Level 1 (*must complete either SCI1020 or STA1010)	Elective
2 nd Semester	BIO1022 Biology II	PSY1011 Psychology 1A	*STA1010 Statistical methods for science or Science unit – Level 1 (*must complete either SCI1020 or STA1010)	Elective

YEAR 2

1 st Semester	PSY2042 Personality and social psychology	SCI2010 Scientific practice and communication	Elective	Elective
2 nd Semester	PSY2061 Biological psychology	PSY2071 Development psychology	Science unit – Level 2 or 3	Elective

YEAR 3

1 st Semester	PSY3032 Abnormal psychology	Science unit – Level 3	Science unit – Level 2 or 3	Elective
Summer Semester	SCI1800 The sustainable planet or SCI3800 Science internship (<i>Recommended Elective</i>)			
2 nd Semester	PSY3041 Psychological testing theories of ability and ethics	PSY3051 Perception and cognition	Elective	

A	Science specified study	IMPORTANT NOTES 1. Students must pass the General Studies (GS) units under each cluster (U1, U2, U3 & U4) in order to graduate. 2. Students must ensure they meet all course requirements as specified in the University Handbook for the year in which they started their course.
B	Science listed major	
C	Free elective study	

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Course progression map for July 2017 commencing students

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Bachelor of Science – Extended major - APAC accredited: Psychology

This outline is a guide only. The complete course requirements are specified in the University Handbook.

YEAR 1

1 st Semester	BIO1011 Biology I	PSY1022 Psychology 1B	*SCI1020 Introduction to statistical reasoning <u>or</u> Science unit – Level 1 (*must complete either SCI1020 or STA1010)	Elective
2 nd Semester	BIO1022 Biology II	PSY1011 Psychology 1A	*STA1010 Statistical methods for science <u>or</u> Science unit – Level 1 (*must complete either SCI1020 or STA1010)	Elective

YEAR 2

1 st Semester	PSY2042 Personality and social psychology	PSY2112 Organisational psychology	SCI2010 Scientific practice and communication	Elective
2 nd Semester	PSY2061 Biological psychology	PSY2071 Development psychology	Elective	Elective

YEAR 3

1 st Semester	PSY3032 Abnormal psychology	PSY3062 Research methods and theory	Science unit – Level 2 or 3	Elective
Summer Semester	SCI1800 The sustainable planet <u>or</u> SCI3800 Science internship (<i>Recommended Elective</i>)			
2 nd Semester	PSY3041 Psychological testing theories of ability and ethics	PSY3051 Perception and cognition	Elective	

A	Science specified study	IMPORTANT NOTES 1. Students must pass the General Studies (GS) units under each cluster (U1, U2, U3 & U4) in order to graduate. 2. Students must ensure they meet all course requirements as specified in the University Handbook for the year in which they started their course.
B	Science listed major	
C	Free elective study	

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Bachelor of Science - Major: Tropical environmental biology

This outline is a guide only. The complete course requirements are specified in the University Handbook.

YEAR 1

1 st Semester	BIO1011 Biology I	ENV1800 Environmental science: A Southeast Asian perspective	CHM1051 Chemistry I advanced	*SCI1020 Introduction to statistical reasoning or Science unit – Level 1 (*must complete either SCI1020 or STA1010)
2 nd Semester	CHM1052 Chemistry II advanced	*STA1010 Statistical methods for science or Science unit – Level 1 (*must complete either SCI1020 or STA1010)	Elective	Elective

YEAR 2

1 st Semester	ENV2726 Ecosystems and bioresources	SCI2010 Scientific practice and communication	Elective	Elective
2 nd Semester	BIO2810 Tropical ecology	Science unit – Level 2 or 3	Elective	Elective

YEAR 3

1 st Semester	BIO3820 Tropical terrestrial biology	STA2216 Data analysis for science	Science unit – Level 2 or 3	Elective
Summer Semester	SCI1800 The sustainable planet or SCI3800 Science internship (Recommended Elective)			
2 nd Semester	BIO3800 Tropical environmental management	BIO3810 Tropical aquatic biology	Science unit – Level 3	

A	Science specified study	IMPORTANT NOTES 1. Students must pass the General Studies (GS) units under each cluster (U1, U2, U3 & U4) in order to graduate. 2. Students must ensure they meet all course requirements as specified in the University Handbook for the year in which they started their course.
B	Science listed major	
C	Free elective study	

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Bachelor of Science – Extended major: Tropical environmental biology

This outline is a guide only. The complete course requirements are specified in the University Handbook.

YEAR 1

1 st Semester	BIO1011 Biology I	ENV1800 Environmental science: A Southeast Asian perspective	CHM1051 Chemistry I advanced	*SCI1020 Introduction to statistical reasoning or Science unit – Level 1 (*must complete either SCI1020 or STA1010)
2 nd Semester	CHM1052 Chemistry II advanced	*STA1010 Statistical methods for science or Science unit – Level 1 (*must complete either SCI1020 or STA1010)	Elective	Elective

YEAR 2

1 st Semester	ENV2726 Ecosystems and bioresources	SCI2010 Scientific practice and communication	Elective	Elective
2 nd Semester	BIO2810 Tropical ecology	BTH2830 Fundamentals of microbiology	Elective	Elective

YEAR 3

1 st Semester	BIO3820 Tropical terrestrial biology	STA2216 Data analysis for science	Science unit – Level 2 or 3	Elective
Summer Semester	SCI1800 The sustainable planet or SCI3800 Science internship (Recommended Elective)			
2 nd Semester	BIO3800 Tropical environmental management	BIO3810 Tropical aquatic biology	One unit from: BTH3732 Environmental microbiology SCI3990 Science in action research project	

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