

Course progression map for October 2019 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: Applied microbiology

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

YEAR 1

1 st Semester { October, 2019 }	BIO1022 Life on Earth	CHM1051 Chemistry 1 advanced	SCI1020 Introduction to statistical reasoning	Elective [Refer to https://www.monash.edu.au/my/science/current/undergraduate/commencing for the list of units]
2 nd Semester { Sem 1, 2020 }	BIO1011 Blueprints for life	CHM1052 Chemistry 2 advanced	Science unit – Level 1	Elective

YEAR 2

1 st Semester { Sem 2, 2020 }	BTH2732 Recombinant DNA technology	SCI2010 Scientific practice and communication	Elective	Elective
2 nd Semester { Sem 1, 2021 }	BTH2830 Fundamentals of microbiology	Science unit – Level 2 or 3	Elective	Elective

YEAR 3

1 st Semester { Sem 2, 2021 }	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 {Summer 2021/2022}	SCI1800 Introduction to environmental sustainability or SCI3800 Science internship (Recommended Elective)			
2 nd Semester { Sem 1, 2022 }	BTH3732 Environmental microbiology	FST3711 Food and industrial microbiology	Science unit – Level 2 or 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	

Source: Monash University 2019 Handbook - <http://monash.edu/pubs/2019handbooks/aos/applied-microbiology/>
CRICOS Provider Number: 00008C

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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 { October, 2019 }	BIO1022 Life on Earth	CHM1051 Chemistry 1 advanced	SCI1020 Introduction to statistical reasoning	Elective [Refer to https://www.monash.edu.my/science/current/undergraduate/commencing for the list of units]
2 nd Semester { Sem 1, 2020 }	BIO1011 Blueprints for life	CHM1052 Chemistry 2 advanced	Science unit – Level 1	Elective

YEAR 2

1 st Semester { Sem 2, 2020 }	BTH2732 Recombinant DNA technology	SCI2010 Scientific practice and communication	Elective	Elective
2 nd Semester { Sem 1, 2021 }	GEN2041 Foundations of genetics	Science unit – Level 2 or 3	Elective	Elective

YEAR 3

1 st Semester { Sem 2, 2021 }	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 { Summer 2021/2022 }	SCI1800 Introduction to environmental sustainability <u>or</u> SCI3800 Science internship (Recommended Elective)			
2 nd Semester { Sem 1, 2022 }	GEN3051 Medical and forensic genetics	SCI3716 Laboratory and workplace management	Science unit – Level 2 or 3	

A	Science specified study	Notes: <i>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.</i>
B	Science listed major	
C	Free elective study	

Source: Monash University 2019 Handbook - <http://monash.edu/pubs/2019handbooks/aos/biotechnology/ug-sci-biotechnology.html>

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Course progression map for October 2019 commencing students

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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 { October, 2019 }	BIO1022 Life on Earth	CHM1051 Chemistry 1 advanced	SCI1020 Introduction to statistical reasoning	Elective [Refer to https://www.monash.edu.my/science/current/undergraduate/commencing for the list of units]
2 nd Semester { Sem 1, 2020 }	BIO1011 Blueprints for life	CHM1052 Chemistry 2 advanced	Science unit – Level 1	Elective

YEAR 2

1 st Semester { Sem 2, 2020 }	BTH2732 Recombinant DNA technology	SCI2010 Scientific practice and communication	Elective	Elective
2 nd Semester { Sem 1, 2021 }	BTH2741 Biochemistry	BTH2830 Fundamentals of microbiology	GEN2041 Foundations of genetics	Elective

YEAR 3

1 st Semester { Sem 2, 2021 }	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 { Summer 2021/2022 }	SCI1800 Introduction to environmental sustainability or SCI3800 Science internship (<i>Recommended Elective</i>)			
2 nd Semester { Sem 1, 2022 }	GEN3051 Medical and forensic genetics	SCI3716 Laboratory and workplace management	Elective	

A	Science specified study	Notes: <i>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.</i>
B	Science listed major	
C	Free elective study	

Source: Monash University 2019 Handbook - <http://monash.edu/pubs/2019handbooks/aos/biotechnology/ug-sci-biotechnology.html>
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Course progression map for October 2019 commencing students

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Bachelor of Science - Major: Genomics and bioinformatics

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

YEAR 1

1 st Semester { October, 2019 }	BIO1022 Life on Earth	CHM1051 Chemistry 1 advanced	SCI1020 Introduction to statistical reasoning	Elective [Refer to https://www.monash.edu.au/my/science/current/undergraduate/commencing for the list of units]
2 nd Semester { Sem 1, 2020 }	BIO1011 Blueprints for life	CHM1052 Chemistry 2 advanced	Science unit – Level 1	Elective

YEAR 2

1 st Semester { Sem 2, 2020 }	SCI2010 Scientific practice and communication	Elective	Elective	Elective
2 nd Semester { Sem 1, 2021 }	GEN2041 Foundations of genetics	Science unit – Level 2 or 3	Science unit – Level 2 or 3	Elective

YEAR 3

1 st Semester { Sem 2, 2021 }	BIN3890 Research methods in bioinformatics and big data analysis	GEN2052 Genomics and population genetics	GEN3040 Genomics and its applications	Science unit – Level 2 or 3
Summer Semester { Summer 2021/2022 }	SCI1800 Introduction to environmental sustainability or SCI3800 Science internship (<i>Recommended Elective</i>)			
2 nd Semester { Sem 1, 2022 }	BIN3800 Bioinformatics	GEN3051 Medical and forensic genetics	SCI3990 Science in action research project (<i>Recommended Elective</i>)	

A	Science specified study	Notes: <i>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.</i>
B	Science listed major	
C	Free elective study	

Source: Monash University 2019 Handbook - <http://monash.edu/pubs/2019handbooks/aos/genomics-and-bioinformatics/>
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Course progression map for October 2019 commencing students

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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 { October, 2019 }	BIO1022 Life on Earth	CHM1051 Chemistry 1 advanced	SCI1020 Introduction to statistical reasoning	Elective [Refer to https://www.monash.edu.au/my/science/current/undergraduate/commencing for the list of units]
2 nd Semester { Sem 1, 2020 }	BIO1011 Blueprints for life	CHM1052 Chemistry 2 advanced	Science unit – Level 1	Elective

YEAR 2

1 st Semester { Sem 2, 2020 }	CHM2922 Spectroscopy and analytical chemistry	SCI2010 Scientific practice and communication	Elective	Elective
2 nd Semester { Sem 1, 2021 }	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 (<i>Recommended Elective</i>)	Elective

YEAR 3

1 st Semester { Sem 2, 2021 }	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
Summer Semester { Summer 2021/2022 }	SCI1800 Introduction to environmental sustainability or SCI3800 Science internship (<i>Recommended Elective</i>)			
2 nd Semester { Sem 1, 2022 }	CHM3930 Medicinal chemistry	PHA3801 Principles of pharmacology	SCI3990 Science in action research project (<i>Recommended Elective</i>)	

A	Science specified study	Notes: <i>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.</i>
B	Science listed major	
C	Free elective study	

Source: Monash University 2019 Handbook - <http://monash.edu/pubs/2019handbooks/aos/medicinal-chemistry/ug-sci-medicinal-chemistry.html>
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Course progression map for October 2019 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 { October, 2019 }	BIO1022 Life on Earth	PSY1022 Psychology 1B	SCI1020 Introduction to statistical reasoning	Elective [Refer to https://www.monash.edu.au/my/science/current/undergraduate/commencing for the list of units]
2 nd Semester { Sem 1, 2020 }	BIO1011 Blueprints for life	PSY1011 Psychology 1A	Science unit – Level 1	Elective

YEAR 2

1 st Semester { Sem 2, 2020 }	PSY2042 Personality and social psychology	SCI2010 Scientific practice and communication	Elective	Elective
2 nd Semester { Sem 1, 2021 }	PSY2061 Biological psychology	PSY2071 Development psychology	Science unit – Level 2 or 3	Elective

YEAR 3

1 st Semester { Sem 2, 2021 }	PSY3032 Abnormal psychology	Science unit – Level 3	Science unit – Level 2 or 3	Elective
Summer Semester { Summer 2021/2022 }	SCI1800 Introduction to environmental sustainability <u>or</u> SCI3800 Science internship (<i>Recommended Elective</i>)			
2 nd Semester { Sem 1, 2022 }	PSY3041 Psychological testing theories of ability and ethics	PSY3051 Perception and cognitive psychology	Elective	

A	Science specified study	Notes: <i>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.</i>
B	Science listed major	
C	Free elective study	

Source: Monash University 2019 Handbook - <http://monash.edu/pubs/2019handbooks/aos/psychology/ug-sci-psychology.html>

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Course progression map for October 2019 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 { October, 2019 }	BIO1022 Life on Earth	PSY1022 Psychology 1B	SCI1020 Introduction to statistical reasoning	Elective [Refer to https://www.monash.edu.au/my/science/current/undergraduate/commencing for the list of units]
2 nd Semester { Sem 1, 2020 }	BIO1011 Blueprints for life	PSY1011 Psychology 1A	Science unit – Level 1	Elective

YEAR 2

1 st Semester { Sem 2, 2020 }	PSY2042 Personality and social psychology	PSY2112 Organisational psychology	SCI2010 Scientific practice and communication	Elective
2 nd Semester { Sem 1, 2021 }	PSY2061 Biological psychology	PSY2071 Development psychology	Elective	Elective

YEAR 3

1 st Semester { Sem 2, 2021 }	PSY3032 Abnormal psychology	PSY3062 Research methods and theory	Science unit – Level 2 or 3	Elective
Summer Semester {Summer 2021/2022}	SCI1800 Introduction to environmental sustainability <u>or</u> SCI3800 Science internship (<i>Recommended Elective</i>)			
2 nd Semester { Sem 1, 2022 }	PSY3041 Psychological testing theories of ability and ethics	PSY3051 Perception and cognitive psychology	Elective	

A	Science specified study	Notes: <i>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.</i>
B	Science listed major	
C	Free elective study	

Source: Monash University 2019 Handbook - <http://monash.edu/pubs/2019handbooks/aos/psychology/ug-sci-psychology.html>
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Course progression map for October 2019 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: Tropical environmental biology

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

YEAR 1

1 st Semester { October, 2019 }	BIO1022 Life on Earth	CHM1051 Chemistry 1 advanced	SCI1020 Introduction to statistical reasoning	Elective [Refer to https://www.monash.edu.my/science/current/undergraduate/commencing for the list of units]
2 nd Semester { Sem 1, 2020 }	BIO1011 Blueprints for life	CHM1052 Chemistry 2 advanced	Science unit – Level 1	Elective

YEAR 2

1 st Semester { Sem 2, 2020 }	ENV1800 Environmental science: A Southeast Asian perspective	STA2216 Data analysis for science	SCI2010 Scientific practice and communication	Elective
2 nd Semester { Sem 1, 2021 }	BIO2810 Introduction to ecological applications	Science unit – Level 2 or 3	Elective	Elective

YEAR 3

1 st Semester { Sem 2, 2021 }	ENV2726 Ecosystems and bioresources	BIO3820 Tropical terrestrial biology	Science unit – Level 3	Science unit – Level 2 or 3
Summer Semester { Summer 2021/2022 }	SCI1800 Introduction to environmental sustainability or SCI3800 Science internship (<i>Recommended Elective</i>)			
2 nd Semester { Sem 1, 2022 }	BIO3800 Tropical environmental management	BIO3810 Tropical aquatic biology	SCI3990 Science in action research project (<i>Recommended Elective</i>)	

A	Science specified study	Notes: <i>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.</i>
B	Science listed major	
C	Free elective study	

Source: Monash University 2019 Handbook - <http://monash.edu/pubs/2019handbooks/aos/tropical-environmental-biology/ug-sci-tropical-environmental-biology.html>

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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 { Sem 2, 2019 }	BIO1022 Life on Earth	CHM1051 Chemistry 1 advanced	SCI1020 Introduction to statistical reasoning	Elective [Refer to https://www.monash.edu.au/my/science/current/undergraduate/commencing for the list of units]
2 nd Semester { Sem 1, 2020 }	BIO1011 Blueprints for life	CHM1052 Chemistry 2 advanced	Science unit – Level 1	Elective

YEAR 2

1 st Semester { Sem 2, 2020 }	ENV1800 Environmental science: A Southeast Asian perspective	STA2216 Data analysis for science	SCI2010 Scientific practice and communication	Elective
2 nd Semester { Sem 1, 2021 }	BIO2810 Introduction to ecological applications	BTH2830 Fundamentals of microbiology	Elective	Elective

YEAR 3

1 st Semester { Sem 2, 2021 }	ENV2726 Ecosystems and bioresources	BIO3820 Tropical terrestrial biology	Science unit – Level 2 or 3	Elective
Summer Semester { Summer 2021/2022 }	SCI1800 Introduction to environmental sustainability or SCI3800 Science internship (Recommended Elective)			
2 nd Semester { Sem 1, 2022 }	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: <i>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.</i>
B	Science listed major	
C	Free elective study	

Source: Monash University 2019 Handbook - <http://monash.edu/pubs/2019handbooks/aos/tropical-environmental-biology/ug-sci-tropical-environmental-biology.html>
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