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Introduction

This guide is a tool for staff and students to use when mapping out a Bachelor of Science study plan pathway. The guide shows an example of the multiple options for each of the Bachelor of Science majors. It shows pathways within a major that can have different focuses/specialisation and also subjects that can complement the major. The guide can be used to determine subjects according to a student's secondary qualifications and map pre-requisite subjects that lead to a major.

Key terms

Compulsory – SCIE10005 Today's Science, Tomorrow's World. A subject designed to be taken in the first semester of enrolment in the Bachelor of Science.

Major Core – a compulsory subject in a major.

Major Selective - are compulsory subjects where you get a small leeway of choice between a restricted set of options. All the options for a major be found in the handbook.

Major Prerequisite – a prerequisite for a compulsory subject in a major.

Major Selective Prerequisite – a prerequisite for an major selective subject.

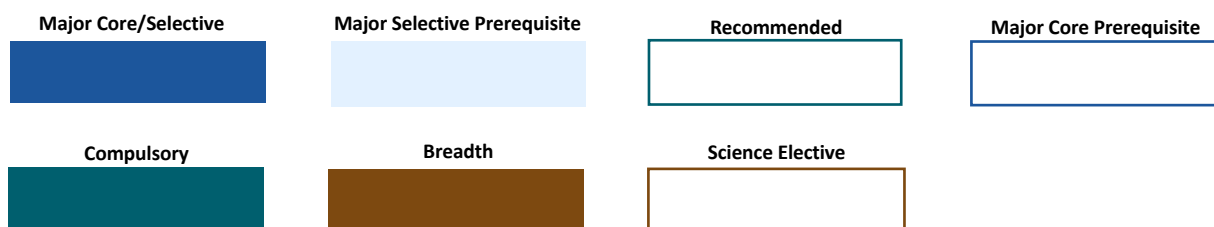
Recommended – a subject that is not mandatory but is suggested to be taken.

Science Elective - Science discipline subjects within the Bachelor of Science or major.

Focus/Specialisation – used to describe a set of elective subjects within a major that focus on a particular aspect of that discipline.

Complementary sequence – a recommended sequence of subjects taken outside of the major and subjects leading to the major.

Key



Version information

This version of the sample course plans was created on 25 March 2022.

Contact information

If you have any question or notice any incorrect information in this file, please email science-academicprograms@unimelb.edu.au.

Bachelor of Science Agricultural Science

2022

Semester 2

COMPULSORY SCIE10005 Today's Science, Tomorrow's World 	RECOMMENDED BIOL10011 Biology: Life's Complexity 	SCIENCE ELECTIVE 	BREADTH
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2023

Semester 1

RECOMMENDED BIOL10009 Biology: Life's Machinery 	MAJOR SELECTIVE PREREQUISITE CHEM10003 Chemistry 1 	SCIENCE ELECTIVE 	BREADTH
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Semester 2

MAJOR SELECTIVE PREREQUISITE AGRI20036 Ecology and Grazing Management 	MAJOR SELECTIVE PREREQUISITE AGRI20038 Principles of Soil Science 	SCIENCE ELECTIVE 	BREADTH
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2024

Semester 1

RECOMMENDED ANSC20001 Animal Physiology and Growth 	MAJOR SELECTIVE PREREQUISITE AGRI20026 Plant Growth Processes 	SCIENCE ELECTIVE 	BREADTH
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Semester 2

MAJOR CORE AGRI30038 Professional Practice for Agriculture 	MAJOR SELECTIVE AGRI30045 Applications in Precision Agriculture 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE/BREADTH
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2025

Semester 1

MAJOR SELECTIVE AGRI30042 Plant Pathology 	MAJOR SELECTIVE AGRI30037 Soil Management 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE
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KEY

Major Core/Selective	Major Selective Prerequisite	Recommended	Major Core Prerequisite
Compulsory	Breadth	Science Elective	

Bachelor of Science Animal Health and Disease

2022

Semester 2

COMPULSORY SCIE10005 Today's Science, Tomorrow's World 	MAJOR PREREQUISITE CHEM10003 Chemistry 1 	MAJOR PREREQUISITE BIOL10011 Biology: Life's Complexity 	BREADTH
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2023

Semester 1

MAJOR PREREQUISITE BIOL10009 Biology: Life's Machinery 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	BREADTH
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Semester 2

MAJOR PREREQUISITE BCMB20002 Biochemistry and Molecular Biology 	MAJOR PREREQUISITE ANSC20002 Comparative Nutrition and Digestion 	SCIENCE ELECTIVE 	BREADTH
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2024

Semester 1

MAJOR PREREQUISITE VETS20019 Frontiers in Veterinary Science 	MAJOR PREREQUISITE MIIM20001 Principles of Microbiology & Immunology 	SCIENCE ELECTIVE 	BREADTH
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Semester 2

ANIMAL HEALTH AND DISEASE, MAJOR VETS30033 Health & Disease in Wildlife Populations 	ANIMAL HEALTH AND DISEASE, MAJOR ANSC30002 Animal Disease Biotechnology 2 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE/BREADTH
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2025

Semester 1

ANIMAL HEALTH AND DISEASE, MAJOR ANSC30001 Animal Disease Biotechnology 1 	ANIMAL HEALTH AND DISEASE, MAJOR ANSC30006 Production Animal Health 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE
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KEY

Major Core/Selective	Major Selective Prerequisite	Recommended	Major Core Prerequisite
Compulsory	Breadth	Science Elective	

Bachelor of Science Animal Science and Management

2022

Semester 2

COMPULSORY SCIE10005 Today's Science, Tomorrow's World 	RECOMMENDED BIOL10011 Biology: Life's Complexity 	MAJOR SELECTIVE PREREQUISITE CHEM10003 Chemistry 1 	BREADTH
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2023

Summer Term

MAJOR SELECTIVE PREREQUISITE CHEM10004 Chemistry 2
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Semester 1

MAJOR SELECTIVE PREREQUISITE BIOL10009 Biology: Life's Machinery 	SCIENCE ELECTIVE 	BREADTH
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Semester 2

MAJOR SELECTIVE PREREQUISITE ANSC20002 Comparative Nutrition and Digestion 	RECOMMENDED ECOL20003 Ecology 	SCIENCE ELECTIVE 	BREADTH
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2024

Semester 1

MAJOR SELECTIVE PREREQUISITE BCMB20002 Biochemistry and Molecular Biology 	RECOMMENDED ANSC20005 Companion Animal Biology 	MAJOR SELECTIVE PREREQUISITE ANSC20001 Animal Physiology and Growth 	BREADTH
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Semester 2

ANIMAL SCIENCE AND MANAGEMENT, MAJOR ANSC30009 Animal Systems Analysis 	ANIMAL SCIENCE AND MANAGEMENT, MAJOR SELECTIVE ANSC30008 Production Animal Physiology 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE / BREADTH
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2025

Semester 1

ANIMAL SCIENCE AND MANAGEMENT, MAJOR SELECTIVE ANSC30004 Applied Animal Reproduction & Genetics 	ANIMAL SCIENCE AND MANAGEMENT, MAJOR SELECTIVE ANSC30003 Applied Animal Behaviour 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE
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KEY

Major Core/Selective	Major Selective Prerequisite	Recommended	Major Core Prerequisite
Compulsory	Breadth	Science Elective	

Bachelor of Science Biochemistry and Molecular Biology

2022

Semester 2

COMPULSORY SCIE10005 Today's Science, Tomorrow's World 	MAJOR PREREQUISITE CHEM10003 Chemistry 1 	SCIENCE ELECTIVE 	BREADTH 
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2023

Semester 1

MAJOR PREREQUISITE BIOL10009 Biology: Life's Machinery 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	BREADTH 
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Semester 2

MAJOR PREREQUISITE BCMB20002 Biochemistry and Molecular Biology 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	BREADTH 
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2024

Semester 1

MAJOR PREREQUISITE BCMB20005 Techniques in Molecular Science 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	BREADTH 
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Semester 2

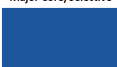
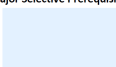
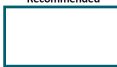
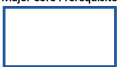
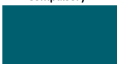
BIOCHEMISTRY AND MOLECULAR BIOLOGY, MAJOR BCMB30010 Advanced Techniques in Molecular Science 	BIOCHEMISTRY AND MOLECULAR BIOLOGY, MAJOR SELECTIVE BCMB30004 Cell Signalling and Neurochemistry 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE/BREADTH 
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2025

Semester 1

BIOCHEMISTRY AND MOLECULAR BIOLOGY, MAJOR BCMB30012 Current Advances in Molecular Science 	BIOCHEMISTRY AND MOLECULAR BIOLOGY, MAJOR SELECTIVE BCMB30002 Functional Genomics and Bioinformatics 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 
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KEY

Major Core/Selective 	Major Selective Prerequisite 	Recommended 	Major Core Prerequisite 
Compulsory 	Breadth 	Science Elective 	

Bachelor of Science Biomedical Engineering Systems

2022

Semester 2

COMPULSORY SCIE10005 Today's Science, Tomorrow's World 	MAJOR PREREQUISITE MAST10006 Calculus 2 	MAJOR PREREQUISITE CHEM10003 Chemistry 1 	RECOMMENDED ENGR10006 Engineering Modelling and Design
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2023

Semester 1

MAJOR PREREQUISITE BIOL10009 Biology: Life's Machinery 	MAJOR PREREQUISITE MAST10007 Linear Algebra 	RECOMMENDED ENGR10004 Engineering Technology and Society 	BREADTH
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Semester 2

MAJOR PREREQUISITE MAST20029 Engineering Mathematics 	MAJOR PREREQUISITE BMEN20002 Anatomy & Physiology for Bioengineering 	SCIENCE ELECTIVE 	BREADTH
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2024

Semester 1

MAJOR PREREQUISITE BMEN20003 Applied Computation in Bioengineering 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	BREADTH
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Semester 2

BIOMEDICAL ENGINEERING SYSTEMS, MAJOR BMEN30008 Biosystems Design 	BIOMEDICAL ENGINEERING SYSTEMS, MAJOR BMEN30009 Introduction to Biomaterials 	SCIENCE ELECTIVE 	BREADTH
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2025

Semester 1

BIOMEDICAL ENGINEERING SYSTEMS, MAJOR BMEN30010 Mechanics for Bioengineering 	BIOMEDICAL ENGINEERING SYSTEMS, MAJOR SELECTIVE BMEN30006 Circuits and Systems 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE/BREADTH
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KEY

Major Core/Selective	Major Selective Prerequisite	Recommended	Major Core Prerequisite
Compulsory	Breadth	Science Elective	

Bachelor of Science Biotechnology (Agri-food Biotechnology specialisation)

2022

Semester 2

COMPULSORY SCIE10005 Today's Science, Tomorrow's World 	MAJOR SELECTIVE PREREQUISITE CHEM10003 Chemistry 1 	SCIENCE ELECTIVE 	BREADTH
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2023

Summer Term

MAJOR SELECTIVE PREREQUISITE CHEM10004 Chemistry 2
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Semester 1

MAJOR PREREQUISITE BIOL10009 Biology: Life's Machinery 	SCIENCE ELECTIVE 	BREADTH
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Semester 2

MAJOR SELECTIVE PREREQUISITE BCMB20002 Biochemistry and Molecular Biology 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	BREADTH
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2024

Semester 1

RECOMMENDED FOOD20003 Intro to Food Science & Human Nutrition 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	BREADTH
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Semester 2

AGRI-FOOD BIOTECHNOLOGY SPECIALISATION FOOD30010 Functional Foods 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE/BREADTH
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2025

Semester 1

AGRI-FOOD BIOTECHNOLOGY SPECIALISATION BTCH30002 Trends & Issues in Agrifood Biotech 	AGRI-FOOD BIOTECHNOLOGY SPECIALISATION FOOD30008 Advanced Food Analysis 	AGRI-FOOD BIOTECHNOLOGY SPECIALISATION BCMB30002 Functional Genomics and Bioinformatics 	SCIENCE ELECTIVE
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KEY

Major Core/Selective	Major Selective Prerequisite	Recommended	Major Core Prerequisite
Compulsory	Breadth	Science Elective	

Bachelor of Science Biotechnology (Chemical Biotechnology specialisation)

2022

Semester 2

COMPULSORY SCIE10005 Today's Science, Tomorrow's World 	MAJOR PREREQUISITE CHEM10003 Chemistry 1 	SCIENCE ELECTIVE 	BREADTH 
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2023

Summer Term

MAJOR PREREQUISITE CHEM10004 Chemistry 2 
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Semester 1

SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	BREADTH 
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Semester 2

MAJOR PREREQUISITE CHEM20020 Chemistry: Structure and Properties 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	BREADTH 
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2024

Semester 1

MAJOR PREREQUISITE CHEM20018 Chemistry: Reactions and Synthesis 	MAJOR PREREQUISITE CHEM20011 Environmental Chemistry 	SCIENCE ELECTIVE 	BREADTH 
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Semester 2

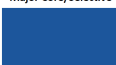
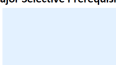
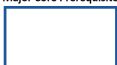
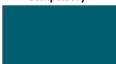
CHEMICAL BIOTECHNOLOGY SPECIALISATION CHEM30012 Analytical & Environmental Chemistry 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE/BREADTH 
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2025

Semester 1

CHEMICAL BIOTECHNOLOGY SPECIALISATION BTCH30003 Biotechnology in Practice 	CHEMICAL BIOTECHNOLOGY SPECIALISATION CHEM30016 Reactivity and Mechanism 	CHEMICAL BIOTECHNOLOGY SPECIALISATION SELECTIVE CHEM30017 Specialised Topics in Chemistry A 	SCIENCE ELECTIVE 
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KEY

Major Core/Selective 	Major Selective Prerequisite 	Recommended 	Major Core Prerequisite 
Compulsory 	Breadth 	Science Elective 	

Bachelor of Science

Biotechnology (Biomedical Biotechnology specialisation)

2022

Semester 2

COMPULSORY SCIE10005 Today's Science, Tomorrow's World 	MAJOR PREREQUISITE CHEM10003 Chemistry 1 	MAJOR PREREQUISITE BIOL10011 Biology: Life's Complexity 	BREADTH
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2023

Semester 1

MAJOR PREREQUISITE BIOL10009 Biology: Life's Machinery 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	BREADTH
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Semester 2

MAJOR PREREQUISITE PHRM20001 Pharmacology: How Drugs Work 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	BREADTH
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2024

Semester 1

SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	BREADTH
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Semester 2

MAJOR CORE PHRM30009 Drugs in Biomedical Experiments 	MAJOR SELECTIVE PHRM30008 Drugs: From Discovery to Market 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE/BREADTH
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2025

Semester 1

MAJOR CORE BTCH30003 Biotechnology in Practice 	MAJOR SELECTIVE PHRM30003 Drug Treatment of Disease 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE
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KEY

Major Core/Selective	Major Selective Prerequisite	Recommended	Major Core Prerequisite
Compulsory	Breadth	Science Elective	

Bachelor of Science Biotechnology (Molecular Biotechnology specialisation)

2022

Semester 2

COMPULSORY SCIE10005 Today's Science, Tomorrow's World 	MAJOR PREREQUISITE BIOL10011 Biology: Life's Complexity 	SCIENCE ELECTIVE 	BREADTH 
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2023

Semester 1

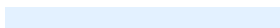
MAJOR PREREQUISITE BIOL10009 Biology: Life's Machinery 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	BREADTH 
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Semester 2

SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	BREADTH 
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2024

Semester 1

MAJOR SELECTIVE PREREQUISITE GENE20001 Foundations of Genetics and Genomics 	MAJOR PREREQUISITE CEDB20003 Fundamentals of Cell Biology 	SCIENCE ELECTIVE 	BREADTH 
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Semester 2

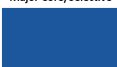
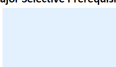
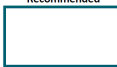
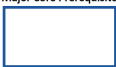
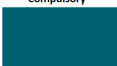
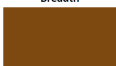
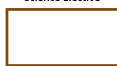
MAJOR SELECTIVE BIOL30001 Reproductive Physiology 	MAJOR SELECTIVE CEDB30003 Developmental Biology 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE/BREADTH 
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2025

Semester 1

MAJOR CORE CEDB30002 Concepts in Cell & Developmental Biology 	MAJOR CORE BTCH30003 Biotechnology in Practice 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 
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KEY

Major Core/Selective 	Major Selective Prerequisite 	Recommended 	Major Core Prerequisite 
Compulsory 	Breadth 	Science Elective 	

Bachelor of Science Biotechnology (Molecular Biotechnology specialisation)

2022

Semester 2

COMPULSORY SCIE10005 Today's Science, Tomorrow's World 	MAJOR PREREQUISITE BIOL10011 Biology: Life's Complexity 	SCIENCE ELECTIVE 	BREADTH
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2023

Semester 1

MAJOR PREREQUISITE BIOL10009 Biology: Life's Machinery 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	BREADTH
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Semester 2

SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	BREADTH
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2024

Semester 1

MAJOR PREREQUISITE GENE20001 Foundations of Genetics and Genomics 	MAJOR PREREQUISITE BCMB30012 Current Advances in Molecular Science 	SCIENCE ELECTIVE 	BREADTH
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Semester 2

MAJOR PREREQUISITE GENE20004 Applications of Genetics and Genomics 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE/BREADTH
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2025

Semester 1

MAJOR CORE GENE30002 Genes: Organisation and Function 	MAJOR CORE GENE30001 Evolutionary Genetics and Genomics 	MAJOR CORE BTCH30003 Biotechnology in Practice
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Semester 2

MAJOR CORE GENE30004 Genetic Analysis 	SCIENCE ELECTIVE
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KEY

Major Core/Selective	Major Selective Prerequisite	Recommended	Major Core Prerequisite
Compulsory	Breadth	Science Elective	

Bachelor of Science Cell and Developmental Biology

2022

Semester 2

COMPULSORY SCIE10005 Today's Science, Tomorrow's World 	RECOMMENDED BIOL10011 Biology: Life's Complexity 	SCIENCE ELECTIVE 	BREADTH 
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2023

Semester 1

MAJOR PREREQUISITE BIOL10009 Biology: Life's Machinery 	RECOMMENDED CHEM10003 Chemistry 1 	SCIENCE ELECTIVE 	BREADTH 
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Semester 2

RECOMMENDED CHEM10004 Chemistry 2 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	BREADTH 
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2024

Semester 1

MAJOR PREREQUISITE CEDB20003 Fundamentals of Cell Biology 	MAJOR PREREQUISITE BCMB20002 Biochemistry and Molecular Biology 	SCIENCE ELECTIVE 	BREADTH 
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Semester 2

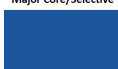
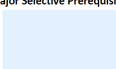
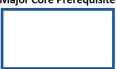
CELL AND DEVELOPMENTAL BIOLOGY, MAJOR SELECTIVE CEDB30003 Developmental Biology 	CELL AND DEVELOPMENTAL BIOLOGY, MAJOR SELECTIVE BIOL30001 Reproductive Physiology 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE/BREADTH 
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2025

Semester 1

CELL AND DEVELOPMENTAL BIOLOGY, MAJOR SELECTIVE CEDB30002 Concepts in Cell & Developmental Biology 	CELL AND DEVELOPMENTAL BIOLOGY, MAJOR SELECTIVE BCMB30003 Molecular Aspects of Cell Biology 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 
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KEY

Major Core/Selective 	Major Selective Prerequisite 	Recommended 	Major Core Prerequisite 
Compulsory 	Breadth 	Science Elective 	

Bachelor of Science Chemical Engineering Systems

2022

Semester 2

COMPULSORY SCIE10005 Today's Science, Tomorrow's World 	MAJOR PREREQUISITE MAST10006 Calculus 2 	MAJOR PREREQUISITE CHEM10003 Chemistry 1 	RECOMMENDED ENGR10006 Engineering Modelling and Design 
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2023

Summer Term

RECOMMENDED CHEM10004 Chemistry 2 	MAJOR PREREQUISITE MAST10007 Linear Algebra 
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Semester 1

RECOMMENDED ENGR10004 Engineering Technology and Society 	MAJOR PREREQUISITE CHEN20010 Material and Energy Balances 	MAJOR PREREQUISITE CHEN20012 Fundamentals of Chemical Engineering 	BREADTH 
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Semester 2

MAJOR PREREQUISITE CHEN20011 Digitisation in the Process Industries 	MAJOR PREREQUISITE MAST20029 Engineering Mathematics 	SCIENCE ELECTIVE 	BREADTH 
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2024

Summer Term

SCIENCE ELECTIVE 	BREADTH 
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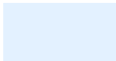
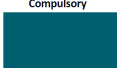
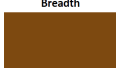
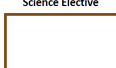
Semester 1

CHEMICAL ENGINEERING SYSTEMS, MAJOR CHEN30001 Reactors and Catalysis 	CHEMICAL ENGINEERING SYSTEMS, MAJOR ENGR30002 Fluid Mechanics 	SCIENCE ELECTIVE 	BREADTH 
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Semester 2

CHEMICAL ENGINEERING SYSTEMS, MAJOR CHEN30015 Safety and Sustainability Case Studies 	CHEMICAL ENGINEERING SYSTEMS, MAJOR CHEN30016 Momentum, Mass and Heat Transfer 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 
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KEY

Major Core/Selective 	Major Selective Prerequisite 	Recommended 	Major Core Prerequisite 
Compulsory 	Breadth 	Science Elective 	

Bachelor of Science Chemistry (Chemistry specialisation)

2022

Semester 2

COMPULSORY SCIE10005 Today's Science, Tomorrow's World 	MAJOR PREREQUISITE CHEM10003 Chemistry 1 	RECOMMENDED MAST10006 Calculus 2 	BREADTH 
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2023

Summer Term

MAJOR PREREQUISITE CHEM10004 Chemistry 2 
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Semester 1

MAJOR PREREQUISITE CHEM20018 Chemistry: Reactions and Synthesis 	RECOMMENDED MAST10007 Linear Algebra 	BREADTH 
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Semester 2

MAJOR PREREQUISITE CHEM20019 Practical Chemistry 2 	MAJOR PREREQUISITE CHEM20020 Chemistry: Structure and Properties 	SCIENCE ELECTIVE 	BREADTH 
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2024

Semester 1

CHEMISTRY SPECIALISATION CHEM30015 Advanced Practical Chemistry 	CHEMISTRY SPECIALISATION CHEM30016 Reactivity and Mechanism 	RECOMMENDED CHEM20026 Principles of Chemical Biology 	BREADTH 
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Semester 2

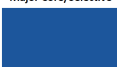
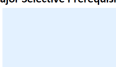
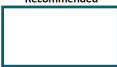
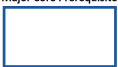
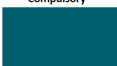
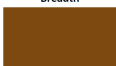
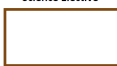
CHEMISTRY SPECIALISATION SELECTIVE CHEM30012 Analytical & Environmental Chemistry 	CHEMISTRY SPECIALISATION SELECTIVE CHEM30014 Specialised Topics in Chemistry B 	RECOMMENDED CHEM30013 Chemical Research Project 	SCIENCE ELECTIVE/BREADTH 
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2025

Semester 1

SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 
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KEY

Major Core/Selective 	Major Selective Prerequisite 	Recommended 	Major Core Prerequisite 
Compulsory 	Breadth 	Science Elective 	

Bachelor of Science Chemistry (Medicinal Chemistry specialisation)

2022

Semester 2

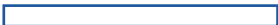
COMPULSORY SCIE10005 Today's Science, Tomorrow's World 	MAJOR PREREQUISITE BIOL10011 Biology: Life's Complexity 	MAJOR PREREQUISITE CHEM10003 Chemistry 1 	RECOMMENDED MAST10006 Calculus 2 
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2023

Summer Term

MAJOR PREREQUISITE CHEM10004 Chemistry 2 
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Semester 1

MAJOR PREREQUISITE CHEM20018 Chemistry: Reactions and Synthesis 	MAJOR PREREQUISITE BIOL10009 Biology: Life's Machinery 	RECOMMENDED CHEM20026 Principles of Chemical Biology 	RECOMMENDED MAST10007 Linear Algebra 
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Semester 2

MAJOR PREREQUISITE CHEM20020 Chemistry: Structure and Properties 	MAJOR PREREQUISITE CHEM20019 Practical Chemistry 2 	MAJOR PREREQUISITE PHRM20001 Pharmacology: How Drugs Work 	BREADTH 
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2024

Semester 1

MEDICINAL CHEMISTRY SPECIALISATION CHEM30016 Level 3 12.5 points Reactivity and Mechanism 	MEDICINAL CHEMISTRY SPECIALISATION CHEM30015 Level 3 12.5 points Advanced Practical Chemistry 	SCIENCE ELECTIVE 	BREADTH 
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Semester 2

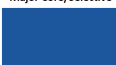
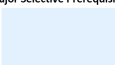
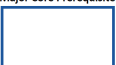
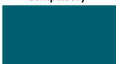
MEDICINAL CHEMISTRY SPECIALISATION PHRM30008 Drugs: From Discovery to Market 	MEDICINAL CHEMISTRY SPECIALISATION PHRM30009 Drugs in Biomedical Experiments 	RECOMMENDED CHEM30014 Specialised Topics in Chemistry B 	BREADTH 
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2025

Semester 1

RECOMMENDED CHEM30017 Specialised Topics in Chemistry A 	SCIENCE ELECTIVE 	BREADTH 
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KEY

Major Core/Selective 	Major Selective Prerequisite 	Recommended 	Major Core Prerequisite 
Compulsory 	Breadth 	Science Elective 	

Bachelor of Science Civil Engineering Systems

2022

Semester 2

COMPULSORY SCIE10005 Today's Science, Tomorrow's World 	MAJOR PREREQUISITE MAST10006 Calculus 2 	SCIENCE ELECTIVE 	BREADTH
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2023

Semester 1

MAJOR PREREQUISITE MAST10007 Linear Algebra 	MAJOR PREREQUISITE PHYC10003 Physics 1 	SCIENCE ELECTIVE 	BREADTH
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Semester 2

MAJOR PREREQUISITE MAST20029 Engineering Mathematics 	MAJOR PREREQUISITE ENEN20002 Earth Processes for Engineering 	MAJOR PREREQUISITE ENGR20003 Engineering Materials 	BREADTH
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2024

Semester 1

CIVIL ENGINEERING SYSTEMS, MAJOR ENGR30002 Fluid Mechanics 	MAJOR PREREQUISITE GEOM20013 Applications of GIS 	MAJOR PREREQUISITE ENGR20004 Engineering Mechanics 	BREADTH
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Semester 2

CIVIL ENGINEERING SYSTEMS, MAJOR CVEN30010 Geotechnical Modelling and Design 	CIVIL ENGINEERING SYSTEMS, MAJOR CVEN30009 Structural Theory and Design 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE/BREADTH
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2025

Semester 1

CIVIL ENGINEERING SYSTEMS, MAJOR CVEN30008 Engineering Risk Analysis 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE
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KEY

Major Core/Selective	Major Selective Prerequisite	Recommended	Major Core Prerequisite
Compulsory	Breadth	Science Elective	

Bachelor of Science Climate and Weather

2022

Semester 2

COMPULSORY SCIE10005 Today's Science, Tomorrow's World 	MAJOR PREREQUISITE MAST10006 Calculus 2 	RECOMMENDED ATOC10001 Wonders Of The Weather 	BREADTH
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2023

Semester 1

RECOMMENDED EVSC10001 The Global Environment 	RECOMMENDED MAST10007 Linear Algebra 	RECOMMENDED ATOC20001 Extreme Weather and Climate 	BREADTH
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Semester 2

MAJOR PREREQUISITE ATOC20003 Atmospheric Modelling 	RECOMMENDED MAST20009 Vector Calculus 	SCIENCE ELECTIVE 	BREADTH
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2024

Semester 1

CLIMATE AND WEATHER, MAJOR ATOC30004 Dynamical Meteorology and Oceanography 	CLIMATE AND WEATHER, MAJOR ATOC30008 Atmospheric Processes and Composition 	SCIENCE ELECTIVE 	BREADTH
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Semester 2

CLIMATE AND WEATHER, MAJOR ATOC30006 Modern and Future Climate 	CLIMATE AND WEATHER, MAJOR ATOC30003 Tropical Meteorology and Climate 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE/BREADTH
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2025

Semester 1

SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE
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KEY

Major Core/Selective	Major Selective Prerequisite	Recommended	Major Core Prerequisite
Compulsory	Breadth	Science Elective	

Bachelor of Science Computing and Software Systems

2022

Semester 2

COMPULSORY SCIE10005 Today's Science, Tomorrow's World 	MAJOR PREREQUISITE COMP10001 Foundations of Computing 	MAJOR PREREQUISITE MAST10006 Calculus 2 	BREADTH 
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2023

Semester 1

MAJOR PREREQUISITE COMP10002 Foundations of Algorithms 	MAJOR PREREQUISITE MAST10007 Linear Algebra 	SCIENCE ELECTIVE 	BREADTH 
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Semester 2

MAJOR PREREQUISITE SWEN20003 Object Oriented Software Development 	MAJOR PREREQUISITE COMP20003 Algorithms and Data Structures 	MAJOR PREREQUISITE INFO20003 Database Systems 	BREADTH 
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2024

Semester 1

COMPUTING AND SOFTWARE SYSTEMS, MAJOR SWEN30006 Software Modelling and Design 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	BREADTH 
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Semester 2

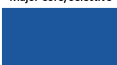
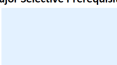
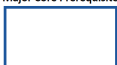
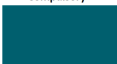
COMPUTING AND SOFTWARE SYSTEMS, MAJOR COMP30026 Models of Computation 	COMPUTING AND SOFTWARE SYSTEMS, MAJOR COMP30022 IT Project 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE/BREADTH 
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2025

Semester 1

COMPUTING AND SOFTWARE SYSTEMS, MAJOR COMP30023 Computer Systems 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 
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KEY

Major Core/Selective 	Major Selective Prerequisite 	Recommended 	Major Core Prerequisite 
Compulsory 	Breadth 	Science Elective 	

Bachelor of Science Data Science

2022

Semester 2

COMPULSORY SCIE10005 Today's Science, Tomorrow's World 	MAJOR PREREQUISITE Foundations of Computing 	MAJOR PREREQUISITE MAST10005 Calculus 1 	BREADTH
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2023

Semester 1

MAJOR PREREQUISITE MAST10006 Calculus 2 	MAJOR PREREQUISITE COMP10002 Foundations of Algorithms 	MAJOR PREREQUISITE MAST10007 Linear Algebra 	BREADTH
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Semester 2

MAJOR PREREQUISITE COMP20008 Elements of Data Processing 	MAJOR PREREQUISITE MAST20004 Probability 	SCIENCE ELECTIVE 	BREADTH
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2024

Summer Term

MAJOR PREREQUISITE MAST20005 Statistics

Semester 1

DATA SCIENCE, MAJOR MAST30025 Linear Statistical Models 	DATA SCIENCE, MAJOR COMP30027 Machine Learning 	SCIENCE ELECTIVE/BREADTH
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Semester 2

DATA SCIENCE, MAJOR MAST30027 Modern Applied Statistics 	DATA SCIENCE, MAJOR MAST30034 Applied Data Science 	SCIENCE ELECTIVE 	BREADTH
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2025

Semester 1

SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE
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KEY

Major Core/Selective	Major Selective Prerequisite	Recommended	Major Core Prerequisite
Compulsory	Breadth	Science Elective	

Bachelor of Science Data Science

2022

Semester 2

COMPULSORY SCIE10005 Today's Science, Tomorrow's World 	MAJOR PREREQUISITE COMP10001 Foundations of Computing 	MAJOR PREREQUISITE MAST10006 Calculus 2 	BREADTH
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2023

Semester 1

MAJOR PREREQUISITE COMP10002 Foundations of Algorithms 	MAJOR PREREQUISITE MAST20004 Probability 	MAJOR PREREQUISITE MAST10007 Linear Algebra 	BREADTH
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Semester 2

MAJOR PREREQUISITE COMP20008 Elements of Data Processing 	MAJOR PREREQUISITE MAST20005 Statistics 	SCIENCE ELECTIVE 	BREADTH
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2024

Semester 1

DATA SCIENCE, MAJOR MAST30025 Linear Statistical Models 	DATA SCIENCE, MAJOR COMP30027 Machine Learning 	SCIENCE ELECTIVE 	BREADTH
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Semester 2

DATA SCIENCE, MAJOR MAST30027 Modern Applied Statistics 	DATA SCIENCE, MAJOR MAST30034 Applied Data Science 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE/BREADTH
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2025

Semester 1

SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE
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KEY

Major Core/Selective

Major Selective Prerequisite

Recommended

Major Core Prerequisite

Compulsory

Breadth

Science Elective

Bachelor of Science Ecology and Evolutionary Biology

2022

Semester 2

COMPULSORY SCIE10005 Today's Science, Tomorrow's World 	MAJOR PREREQUISITE BIOL10010 Introductory Biology: Life's Complexity 	SCIENCE ELECTIVE 	BREADTH
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2023

Semester 1

MAJOR PREREQUISITE BIOL10009 Biology: Life's Machinery 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	BREADTH
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Semester 2

MAJOR SELECTIVE PREREQUISITE BOTA20002 Plant Biodiversity 	MAJOR PREREQUISITE ECOL20003 Ecology 	SCIENCE ELECTIVE 	BREADTH
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2024

Semester 1

MAJOR PREREQUISITE MAST20031 Analysis of Biological Data 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	BREADTH
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Semester 2

ECOLOGY AND EVOLUTIONARY BIOLOGY, MAJOR BOTA30002 Plant Evolution 	ECOLOGY AND EVOLUTIONARY BIOLOGY, MAJOR ZOOL30009 Tropical Field Ecology 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE/BREADTH
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2025

Semester 1

ECOLOGY AND EVOLUTIONARY BIOLOGY, MAJOR ECOL30006 Ecology in Changing Environments 	ECOLOGY AND EVOLUTIONARY BIOLOGY, MAJOR EVSC30003 Environmental Risk Assessment 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE
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KEY

Major Core/Selective	Major Selective Prerequisite	Recommended	Major Core Prerequisite
Compulsory	Breadth	Science Elective	

Bachelor of Science Ecosystem Science

2022

Semester 2

COMPULSORY SCIE10005 Today's Science, Tomorrow's World 	MAJOR PREREQUISITE BIOL10011 Biology: Life's Complexity 	SCIENCE ELECTIVE 	BREADTH
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2023

Semester 1

RECOMMENDED BIOL10009 Biology: Life's Machinery 	RECOMMENDED MAST20031 Analysis of Biological Data 	SCIENCE ELECTIVE 	BREADTH
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Semester 2

MAJOR PREREQUISITE ECOL20003 Ecology 	RECOMMENDED FRST20015 Fire in the Australian Landscape 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE/BREADTH
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2024

Semester 1

MAJOR SELECTIVE PREREQUISITE ENST20001 Human Behaviour and Environment 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	BREADTH
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Semester 2

ECOSYSTEM SCIENCE, MAJOR EVSC30007 Landscape Ecosystem Project 	ECOSYSTEM SCIENCE, MAJOR SELECTIVE ENST30004 Nature, Conservation and Society 	RECOMMENDED ENST20004 Economic Tools for the Environment 	SCIENCE ELECTIVE
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2025

Summer Term

ECOSYSTEM SCIENCE, MAJOR FRST30001 Forest Systems

Semester 1

ECOSYSTEM SCIENCE, MAJOR SELECTIVE FRST30003 Urban Forest Ecosystems 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE
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KEY

Major Core/Selective	Major Selective Prerequisite	Recommended	Major Core Prerequisite
Compulsory	Breadth	Science Elective	

Bachelor of Science Ecosystem Science

2022

Semester 2

COMPULSORY SCIE10005 Today's Science, Tomorrow's World 	MAJOR PREREQUISITE BIOL10001 Biology of Australian Flora & Fauna 	SCIENCE ELECTIVE 	BREADTH
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2023

Semester 1

MAJOR PREREQUISITE BIOL10009 Biology: Life's Machinery 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	BREADTH
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Semester 2

MAJOR PREREQUISITE ECOL20003 Ecology 	RECOMMENDED HORT20027 Greening Landscapes 	SCIENCE ELECTIVE 	BREADTH
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2024

Semester 1

MAJOR PREREQUISITE ENST20001 Human Behaviour and Environment 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	BREADTH
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Semester 2

ECOSYSTEM SCIENCE, MAJOR ENST30003 Green Infrastructure Technologies 	ECOSYSTEM SCIENCE, MAJOR EVSC30007 Landscape Ecosystem Project 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE/BREADTH
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2025

Semester 1

ECOSYSTEM SCIENCE, MAJOR EVSC30006 Ecology of Urban Landscapes 	ECOSYSTEM SCIENCE, MAJOR FRST30003 Urban Forest Ecosystems 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE
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KEY

Major Core/Selective	Major Selective Prerequisite	Recommended	Major Core Prerequisite
Compulsory	Breadth	Science Elective	

Bachelor of Science Electrical Engineering Systems

2022

Semester 2

COMPULSORY SCIE10005 Today's Science, Tomorrow's World 	MAJOR PREREQUISITE MAST10006 Calculus 2 	RECOMMENDED ENGR10006 Engineering Modelling and Design 	BREADTH
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2023

Semester 1

MAJOR PREREQUISITE PHYC10003 Physics 1 	MAJOR PREREQUISITE MAST10007 Linear Algebra 	RECOMMENDED ENGR10004 Engineering Technology and Society 	SCIENCE ELECTIVE
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Semester 2

MAJOR PREREQUISITE MAST20029 Engineering Mathematics 	MAJOR PREREQUISITE PHYC10004 Physics 2: Physical Science & Technology 	MAJOR PREREQUISITE ELEN20005 Foundations of Electrical Networks 	BREADTH
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2024

Semester 1

ELECTRICAL ENGINEERING SYSTEMS, MAJOR ELEN30009 Electrical Network Analysis and Design 	MAJOR PREREQUISITE COMP20005 Intro. to Numerical Computation in C 	MAJOR PREREQUISITE ELEN20006 Digital Systems 	BREADTH
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Semester 2

ELECTRICAL ENGINEERING SYSTEMS, MAJOR ELEN30011 Electrical Device Modelling 	ELECTRICAL ENGINEERING SYSTEMS, MAJOR ELEN30013 Electronic System Implementation 	SCIENCE ELECTIVE/BREADTH 	BREADTH
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2025

Semester 1

ELECTRICAL ENGINEERING SYSTEMS, MAJOR ELEN30012 Signals and Systems 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE
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KEY

Major Core/Selective	Major Selective Prerequisite	Recommended	Major Core Prerequisite
Compulsory	Breadth	Science Elective	

Bachelor of Science Environmental Engineering Systems

2022

Semester 2

COMPULSORY SCIE10005 Today's Science, Tomorrow's World 	RECOMMENDED BIOL10011 Biology: Life's Complexity 	MAJOR PREREQUISITE PHYC10003 Physics 1 	MAJOR PREREQUISITE MAST10006 Calculus 2
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2023

Semester 1

MAJOR PREREQUISITE MAST10007 Linear Algebra 	MAJOR PREREQUISITE BIOL10009 Biology: Life's Machinery 	MAJOR PREREQUISITE ENVS10001 Natural Environments 	BREADTH
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Semester 2

MAJOR PREREQUISITE MAST20029 Engineering Mathematics 	MAJOR PREREQUISITE ENEN20002 Earth Processes for Engineering 	SCIENCE ELECTIVE 	BREADTH
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2024

Semester 1

ENVIRONMENTAL ENGINEERING SYSTEMS, MAJOR ENEN30002 Intro to Sustainable Water Management 	ENVIRONMENTAL ENGINEERING SYSTEMS, MAJOR ENGR30002 Fluid Mechanics 	MAJOR PREREQUISITE ENGR20004 Engineering Mechanics 	MAJOR PREREQUISITE MAST20031 Analysis of Biological Data
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Semester 2

ENVIRONMENTAL ENGINEERING SYSTEMS, MAJOR ENEN30001 Environmental Eng Systems Capstone 	ENVIRONMENTAL ENGINEERING SYSTEMS, MAJOR ENEN30003 Environmental Systems Modelling & Design 	SCIENCE ELECTIVE 	BREADTH
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2025

Semester 1

SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE/BREADTH 	BREADTH
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KEY

Major Core/Selective	Major Selective Prerequisite	Recommended	Major Core Prerequisite
Compulsory	Breadth	Science Elective	

Bachelor of Science Environmental Science (Climate Change)

2022

Semester 2

COMPULSORY SCIE10005 Today's Science, Tomorrow's World 	MAJOR PREREQUISITE BIOL10011 Biology: Life's Complexity 	MAJOR SELECTIVE PREREQUISITE MAST10006 Calculus 2 	RECOMMENDED UNIB10007 Introduction to Climate Change
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2023

Semester 1

RECOMMENDED MAST10007 Linear Algebra 	MAJOR PREREQUISITE MAST20031 Analysis of Biological Data 	MAJOR PREREQUISITE EVSC10001 The Global Environment 	BREADTH
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Semester 2

MAJOR PREREQUISITE ECOL20003 Ecology 	MAJOR SELECTIVE PREREQUISITE ATOC20003 Atmospheric Modelling 	MAJOR SELECTIVE PREREQUISITE MAST20009 Vector Calculus 	BREADTH
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2024

Semester 1

CLIMATE CHANGE EVSC30003 Environmental Risk Assessment 	CLIMATE CHANGE SELECTIVE ATOC30004 Dynamical Meteorology and Oceanography 	RECOMMENDED ATOC20001 Extreme Weather and Climate 	BREADTH
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Semester 2

CLIMATE CHANGE ATOC30006 Modern and Future Climate 	CLIMATE CHANGE EVSC30002 Problem Solving in Environmental Science 	RECOMMENDED GEOG30021 The Disaster Resilient City 	SCIENCE ELECTIVE
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2025

Semester 1

SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE / BREADTH
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KEY

Major Core/Selective	Major Selective Prerequisite	Recommended	Major Core Prerequisite
Compulsory	Breadth	Science Elective	

Bachelor of Science Food Science

2022

Semester 2

COMPULSORY SCIE10005 Today's Science, Tomorrow's World 	MAJOR PREREQUISITE CHEM10003 Chemistry 1 	MAJOR PREREQUISITE BIOL10011 Biology: Life's Complexity 	BREADTH
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2023

Semester 1

MAJOR PREREQUISITE FOOD20003 Intro to Food Science & Human Nutrition 	MAJOR PREREQUISITE BIOL10009 Biology: Life's Machinery 	SCIENCE ELECTIVE 	BREADTH
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Semester 2

MAJOR PREREQUISITE FOOD20006 Food Microbiology and Safety 	RECOMMENDED CHEM10004 Chemistry 2 	SCIENCE ELECTIVE 	BREADTH
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2024

Semester 1

FOOD SCIENCE, MAJOR FOOD30008 Level 3 12.5 points Advanced Food Analysis 	FOOD SCIENCE, MAJOR FOOD30007 Level 3 12.5 points Food Processing & Preservation 	SCIENCE ELECTIVE 	BREADTH
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Semester 2

FOOD SCIENCE, MAJOR FOOD30009 Level 3 12.5 points Food Research & Development 	FOOD SCIENCE, MAJOR FOOD30010 Level 3 12.5 points Functional Foods 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE / BREADTH
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2025

Semester 1

SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE
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KEY

Major Core/Selective	Major Selective Prerequisite	Recommended	Major Core Prerequisite
Compulsory	Breadth	Science Elective	

Bachelor of Science Genetics

2022

Semester 2

COMPULSORY SCIE10005 Today's Science, Tomorrow's World 	MAJOR PREREQUISITE BIOL10011 Biology: Life's Complexity 	SCIENCE ELECTIVE 	BREADTH
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2023

Summer Term

MAJOR PREREQUISITE BIOL10009 Biology: Life's Machinery
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Semester 1

MAJOR PREREQUISITE GENE20001 Foundations of Genetics and Genomics 	RECOMMENDED MAST20031 Analysis of Biological Data 	BREADTH
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Semester 2

MAJOR PREREQUISITE GENE20004 Applications of Genetics and Genomics 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	BREADTH
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2024

Semester 1

GENETICS, MAJOR GENE30001 Evolutionary Genetics and Genomics 	GENETICS, MAJOR GENE30002 Genes: Organisation and Function 	SCIENCE ELECTIVE 	BREADTH
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Semester 2

GENETICS, MAJOR GENE30004 Genetic Analysis 	GENETICS, MAJOR SELECTIVE GENE30005 Human and Medical Genetics 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE / BREADTH
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2025

Semester 1

SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE
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KEY

Major Core/Selective	Major Selective Prerequisite	Recommended	Major Core Prerequisite
Compulsory	Breadth	Science Elective	

Bachelor of Science Geography

2022

Semester 2

COMPULSORY SCIE10005 Today's Science, Tomorrow's World 	RECOMMENDED SCIE10004 Human Sciences: From Cells to Societies 	SCIENCE ELECTIVE 	BREADTH
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2023

Semester 1

MAJOR SELECTIVE PREREQUISITE EVSC10001 The Global Environment 	RECOMMENDED GEOG10001 Famine: The Geography of Scarcity 	SCIENCE ELECTIVE 	BREADTH
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Semester 2

RECOMMENDED GEOG20013 Health Geography 	RECOMMENDED GEOG20015 Environmental Change & the Human Journey 	RECOMMENDED GEOG20017 Spatial Analysis in Geography 	BREADTH
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2024

Semester 1

MAJOR SELECTIVE PREREQUISITE SELECTIVE GEOG20002 Landscapes and Environmental Change 	RECOMMENDED GEOG20003 Environmental Politics and Management 	SCIENCE ELECTIVE 	BREADTH
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Semester 2

GEOGRAPHY, MAJOR SELECTIVE GEOG30024 Africa: Environment, Development, People 	GEOGRAPHY, MAJOR SELECTIVE GEOG30027 Local Sites, Global Connections 	GEOGRAPHY, MAJOR GEOG30026 East Timor Field Class 	RECOMMENDED GEOG30021 The Disaster Resilient City
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2025

Semester 1

GEOGRAPHY, MAJOR SELECTIVE GEOG30019 Sustainable Development 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE / BREADTH
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KEY

Major Core/Selective	Major Selective Prerequisite	Recommended	Major Core Prerequisite
Compulsory	Breadth	Science Elective	

Bachelor of Science Geology

2022

Semester 2

COMPULSORY SCIE10005 Today's Science, Tomorrow's World 	MAJOR PREREQUISITE ERTH10002 Understanding Planet Earth 	SCIENCE ELECTIVE 	BREADTH
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2023

Semester 1

MAJOR PREREQUISITE EVSC10001 The Global Environment 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	BREADTH
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Winter Term

MAJOR SELECTIVE PREREQUISITE EVSC20008 Earth's Surface Processes
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Semester 2

MAJOR PREREQUISITE GEOL20003 Building Earth: Rocks, Minerals, Magmas 	SCIENCE ELECTIVE 	BREADTH
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2024

Semester 1

MAJOR PREREQUISITE GEOL20002 Earth Structure, Geophysics, Geodynamics 	GEOLOGY, MAJOR SELECTIVE GEOL30004 Geochemistry & Petrogenesis 	GEOLOGY, MAJOR SELECTIVE GEOL30003 Sedimentary Geology and Hydrogeology 	BREADTH
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Semester 2

GEOLOGY, MAJOR ERTH30002 Earth Resources for a Sustainable Future 	GEOLOGY, MAJOR SELECTIVE ERTH30003 Applied Geophysical Methods 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE / BREADTH
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2025

Semester 1

SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE
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KEY

Major Core/Selective	Major Selective Prerequisite	Recommended	Major Core Prerequisite
Compulsory	Breadth	Science Elective	

Bachelor of Science Human Nutrition

2022

Semester 2

COMPULSORY SCIE10005 Today's Science, Tomorrow's World 	MAJOR PREREQUISITE CHEM10003 Chemistry 1 	SCIENCE ELECTIVE 	BREADTH
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2023

Summer Term

MAJOR PREREQUISITE CHEM10004 Chemistry 2
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Semester 1

MAJOR PREREQUISITE BIOL10009 Biology: Life's Machinery 	SCIENCE ELECTIVE 	BREADTH
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Semester 2

MAJOR PREREQUISITE NUTR20001 Food Nutrition and Health 	MAJOR SELECTIVE PREREQUISITE BCMB20002 Biochemistry and Molecular Biology 	SCIENCE ELECTIVE 	BREADTH
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2024

Semester 1

MAJOR PREREQUISITE FOOD20003 Intro to Food Science & Human Nutrition 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	BREADTH
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Semester 2

HUMAN NUTRITION, MAJOR NUTR30003 Lifestage Nutrition 	HUMAN NUTRITION, MAJOR NUTR30004 Advanced Topics in Nutrition 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE / BREADTH
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2025

Semester 1

HUMAN NUTRITION, MAJOR NUTR30002 Monitoring Food and Nutrition Intake 	HUMAN NUTRITION, MAJOR SELECTIVE BCMB30011 Cellular Metabolism and Disease 	RECOMMENDED NUTR30005 Molecular Nutrition and Genomics 	SCIENCE ELECTIVE
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KEY

Major Core/Selective	Major Selective Prerequisite	Recommended	Major Core Prerequisite
Compulsory	Breadth	Science Elective	

Bachelor of Science Human Structure and Function

2022

Semester 2

COMPULSORY SCIE10005 Today's Science, Tomorrow's World 	MAJOR PREREQUISITE BIOL10011 Biology: Life's Complexity 	SCIENCE ELECTIVE 	BREADTH 
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2023

Semester 1

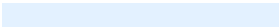
MAJOR PREREQUISITE BIOL10009 Biology: Life's Machinery 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	BREADTH 
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Semester 2

MAJOR SELECTIVE PREREQUISITE ZOO120006 Comparative Animal Physiology 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	BREADTH 
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2024

Semester 1

MAJOR PREREQUISITE ANAT20006 Principles of Human Structure 	MAJOR SELECTIVE PREREQUISITE PHYS20008 Human Physiology 	SCIENCE ELECTIVE 	BREADTH 
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Semester 2

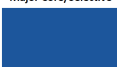
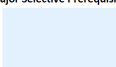
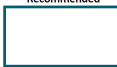
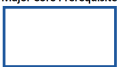
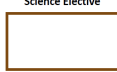
HUMAN STRUCTURE AND FUNCTION, MAJOR ANAT30008 Viscera and Visceral Systems 	HUMAN STRUCTURE AND FUNCTION, MAJOR SELECTIVE PHYS30012 Physiology: Adapting to Challenges 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE / BREADTH 
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2025

Semester 1

HUMAN STRUCTURE AND FUNCTION, MAJOR ANAT30007 Human Locomotor Systems 	HUMAN STRUCTURE AND FUNCTION, MAJOR SELECTIVE NEUR30003 Principles of Neuroscience 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 
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KEY

Major Core/Selective	Major Selective Prerequisite	Recommended	Major Core Prerequisite
			
Compulsory	Breadth	Science Elective	
			

Bachelor of Science Immunology

2022

Semester 2

COMPULSORY SCIE10005 Today's Science, Tomorrow's World	MAJOR PREREQUISITE CHEM10003 Chemistry 1	SCIENCE ELECTIVE	BREADTH
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2023

Semester 1

MAJOR PREREQUISITE BIOL10009 Biology: Life's Machinery	SCIENCE ELECTIVE	SCIENCE ELECTIVE	BREADTH
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Semester 2

MAJOR PREREQUISITE BIOL10011 Biology: Life's Complexity	RECOMMENDED CHEM10004 Chemistry 2	SCIENCE ELECTIVE	BREADTH
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2024

Semester 1

MAJOR PREREQUISITE MIIM20001 Principles of Microbiology & Immunology	MAJOR PREREQUISITE BCMB20002 Biochemistry and Molecular Biology	SCIENCE ELECTIVE	BREADTH
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Semester 2

MAJOR PREREQUISITE BCMB20005 Techniques in Molecular Science	SCIENCE ELECTIVE	SCIENCE ELECTIVE	SCIENCE ELECTIVE / BREADTH
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2025

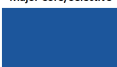
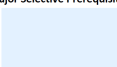
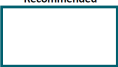
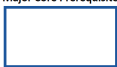
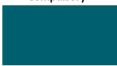
Semester 1

IMMUNOLOGY, MAJOR MIIM30002 Principles of Immunology	IMMUNOLOGY, MAJOR SELECTIVE BCMB30003 Molecular Aspects of Cell Biology	SCIENCE ELECTIVE	SCIENCE ELECTIVE
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Semester 2

IMMUNOLOGY, MAJOR MIIM30003 Medical and Applied Immunology	IMMUNOLOGY, MAJOR MIIM30015 Techniques in Immunology
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KEY

Major Core/Selective	Major Selective Prerequisite	Recommended	Major Core Prerequisite
			
Compulsory	Breadth	Science Elective	
			

Bachelor of Science Infection and Immunity

2022

COMPULSORY SCIE10005 Today's Science, Tomorrow's World 	MAJOR PREREQUISITE BIOL10011 Biology: Life's Complexity 	SCIENCE ELECTIVE 	BREADTH
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2023

MAJOR PREREQUISITE BIOL10009 Biology: Life's Machinery
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MAJOR PREREQUISITE MIIM20001 Principles of Microbiology & Immunology 	SCIENCE ELECTIVE 	BREADTH
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MAJOR SELECTIVE PREREQUISITE MIIM20002 Microbes, Infections and Responses 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	BREADTH
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2024

SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	BREADTH
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INFECTION AND IMMUNITY, MAJOR SELECTIVE MIIM30014 Medical Microbiology: Virology 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE / BREADTH
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2025

INFECTION AND IMMUNITY, MAJOR MIIM30002 Principles of Immunology 	INFECTION AND IMMUNITY, MAJOR SELECTIVE MIIM30011 Medical Microbiology: Bacteriology 	INFECTION AND IMMUNITY, MAJOR SELECTIVE MIIM30016 Techniques in Microbiology 	SCIENCE ELECTIVE
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KEY

Major Core/Selective

Major Selective Prerequisite

Recommended

Major Core Prerequisite

Compulsory

Breadth

Science Elective

Bachelor of Science Marine Biology

2022

Semester 2

COMPULSORY SCIE10005 Today's Science, Tomorrow's World 	MAJOR PREREQUISITE BIOL10011 Biology: Life's Complexity 	SCIENCE ELECTIVE 	BREADTH
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2023

Semester 1

MAJOR PREREQUISITE BIOL10009 Biology: Life's Machinery 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	BREADTH
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Semester 2

MAJOR PREREQUISITE ECOL20003 Ecology 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	BREADTH
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2024

Semester 1

MAJOR PREREQUISITE ZOO120005 Animal Structure and Function 	MAJOR PREREQUISITE MAST20031 Analysis of Biological Data 	MAJOR PREREQUISITE Blue Planet - Intro to Marine Biology 	BREADTH
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Semester 2

MARINE BIOLOGY, MAJOR BIOL30011 Applied Marine Biology 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE / BREADTH
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2025

Summer Term

MARINE BIOLOGY, MAJOR ZOO130008 Experimental Marine Biology

Semester 1

MARINE BIOLOGY, MAJOR ECOL30007 Marine Biodiversity and Biogeography 	MARINE BIOLOGY, MAJOR SELECTIVE ECOL30006 Ecology in Changing Environments 	SCIENCE ELECTIVE
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KEY

Major Core/Selective	Major Selective Prerequisite	Recommended	Major Core Prerequisite
Compulsory	Breadth	Science Elective	

Bachelor of Science Mathematical Physics

2022

Semester 2

COMPULSORY SCIE10005 Today's Science, Tomorrow's World 	MAJOR PREREQUISITE MAST10006 Calculus 2 	MAJOR PREREQUISITE PHYC10003 Physics 1 	BREADTH
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2023

Summer Term

MAJOR PREREQUISITE MAST10007 Linear Algebra 	MAJOR PREREQUISITE PHYC10004 Physics 2: Physical Science & Technology
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Semester 1

MAJOR PREREQUISITE MAST20026 Real Analysis 	BREADTH
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Semester 2

MAJOR SELECTIVE PREREQUISITE MAST20022 Group Theory and Linear Algebra 	MAJOR PREREQUISITE MAST20009 Vector Calculus 	MAJOR PREREQUISITE PHYC20015 Special Relativity and Electromagnetism 	BREADTH
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2024

Semester 1

MAJOR PREREQUISITE PHYC20012 Quantum and Thermal Physics 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	BREADTH
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Semester 2

MATHEMATICAL PHYSICS, MAJOR MAST30021 Complex Analysis 	MATHEMATICAL PHYSICS, MAJOR SELECTIVE MAST30026 Metric and Hilbert Spaces 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE/BREADTH
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2025

Semester 1

MATHEMATICAL PHYSICS, MAJOR PHYC30018 Quantum Physics 	MATHEMATICAL PHYSICS, MAJOR SELECTIVE PHYC30016 Electrodynamics 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE
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KEY

Major Core/Selective	Major Selective Prerequisite	Recommended	Major Core Prerequisite
Compulsory	Breadth	Science Elective	

Bachelor of Science

Mathematics and Statistics (Applied Mathematics specialisation)

2022

Semester 2

COMPULSORY SCIE10005 Today's Science, Tomorrow's World 	MAJOR PREREQUISITE COMP10001 Foundations of Computing 	MAJOR PREREQUISITE MAST10006 Calculus 2 	BREADTH
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2023

Semester 1

MAJOR PREREQUISITE MAST10007 Linear Algebra 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	BREADTH
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Semester 2

MAJOR PREREQUISITE MAST20026 Real Analysis 	MAJOR SELECTIVE PREREQUISITE MAST20004 Probability 	SCIENCE ELECTIVE 	BREADTH
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2024

Semester 1

MAJOR SELECTIVE PREREQUISITE MAST20009 Vector Calculus 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	BREADTH
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Semester 2

APPLIED MATHEMATICS SPECIALISATION MAST30028 Numerical Methods & Scientific Computing 	APPLIED MATHEMATICS SPECIALISATION SELECTIVE MAST30001 Stochastic Modelling 	MAJOR SELECTIVE PREREQUISITE MAST20030 Differential Equations 	SCIENCE ELECTIVE / BREADTH
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2025

Semester 1

APPLIED MATHEMATICS SPECIALISATION MAST30021 Complex Analysis 	APPLIED MATHEMATICS SPECIALISATION SELECTIVE MAST30030 Applied Mathematical Modelling 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE
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KEY

Major Core/Selective	Major Selective Prerequisite	Recommended	Major Core Prerequisite
Compulsory	Breadth	Science Elective	

Bachelor of Science
Mathematics and Statistics (Operations Research / Discrete Mathematics
specialisation)

2022

Semester 2

COMPULSORY SCIE10005 Today's Science, Tomorrow's World 	MAJOR PREREQUISITE MAST10006 Calculus 2 	SCIENCE ELECTIVE 	BREADTH
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2023

Semester 1

MAJOR PREREQUISITE MAST10007 Linear Algebra 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	BREADTH
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Semester 2

MAJOR PREREQUISITE MAST20026 Real Analysis 	MAJOR PREREQUISITE MAST20018 Discrete Maths and Operations Research 	SCIENCE ELECTIVE 	BREADTH
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2024

Semester 1

SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	BREADTH
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Semester 2

OPERATIONS RESEARCH / DISCRETE MATHEMATICS SPECIALISATION MAST30012 Discrete Mathematics 	OPERATIONS RESEARCH / DISCRETE MATHEMATICS SPECIALISATION MAST30021 Complex Analysis 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE / BREADTH
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2025

Semester 1

OPERATIONS RESEARCH / DISCRETE MATHEMATICS SPECIALISATION MAST30013 Techniques in Operations Research 	OPERATIONS RESEARCH / DISCRETE MATHEMATICS SPECIALISATION SELECTIVE MAST30011 Graph Theory 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE
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KEY

Major Core/Selective	Major Selective Prerequisite	Recommended	Major Core Prerequisite
Compulsory	Breadth	Science Elective	

Bachelor of Science Mathematics and Statistics (Pure Mathematics specialisation)

2022

Semester 2

COMPULSORY SCIE10005 Today's Science, Tomorrow's World 	MAJOR PREREQUISITE MAST10006 Calculus 2 	SCIENCE ELECTIVE 	BREADTH
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2023

Summer Term

MAJOR PREREQUISITE MAST10007 Linear Algebra

Semester 1

MAJOR PREREQUISITE MAST20026 Real Analysis 	SCIENCE ELECTIVE 	BREADTH
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Semester 2

MAJOR PREREQUISITE MAST20022 Group Theory and Linear Algebra 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	BREADTH
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2024

SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	BREADTH
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Semester 2

PURE MATHEMATICS SPECIALISATION MAST30021 Complex Analysis 	PURE MATHEMATICS SPECIALISATION MAST30026 Metric and Hilbert Spaces 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE / BREADTH
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2025

Semester 1

PURE MATHEMATICS SPECIALISATION SELECTIVE MAST30011 Graph Theory 	PURE MATHEMATICS SPECIALISATION MAST30005 Algebra 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE
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KEY

Major Core/Selective	Major Selective Prerequisite	Recommended	Major Core Prerequisite
Compulsory	Breadth	Science Elective	

Bachelor of Science

Mathematics and Statistics (Statistics / Stochastic Processes specialisation)

2022

Semester 2

COMPULSORY SCIE10005 Today's Science, Tomorrow's World 	MAJOR PREREQUISITE MAST10006 Calculus 2 	DISCIPLINE 	BREADTH
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2023

Semester 1

MAJOR PREREQUISITE MAST10007 Linear Algebra 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	BREADTH
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Semester 2

MAJOR PREREQUISITE MAST20004 Probability 	MAJOR PREREQUISITE MAST20026 Real Analysis 	SCIENCE ELECTIVE 	BREADTH
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2024

Summer Term

MAJOR PREREQUISITE MAST20005 Statistics

Semester 1

STATISTICS / STOCHASTIC PROCESSES SPECIALISATION MAST30025 Linear Statistical Models 	SCIENCE ELECTIVE 	BREADTH
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Semester 2

STATISTICS / STOCHASTIC PROCESSES SPECIALISATION MAST30001 Stochastic Modelling 	STATISTICS / STOCHASTIC PROCESSES SPECIALISATION SELECTIVE MAST30027 Modern Applied Statistics 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE / BREADTH
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2025

Semester 1

STATISTICS / STOCHASTIC PROCESSES SPECIALISATION SELECTIVE MAST30020 Probability for Inference 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE
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KEY

Major Core/Selective	Major Selective Prerequisite	Recommended	Major Core Prerequisite
Compulsory	Breadth	Science Elective	

Bachelor of Science Mechanical Engineering Systems

2022

Semester 2

COMPULSORY SCIE10005 Today's Science, Tomorrow's World 	MAJOR PREREQUISITE PHYC10003 Physics 1 	RECOMMENDED ENGR10006 Engineering Modelling and Design 	MAJOR PREREQUISITE MAST10006 Calculus 2 
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2023

Semester 1

MAJOR PREREQUISITE MAST10007 Linear Algebra 	RECOMMENDED ENGR10004 Engineering Technology and Society 	SCIENCE ELECTIVE 	BREADTH 
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Semester 2

MAJOR PREREQUISITE ENGR20004 Engineering Mechanics 	MAJOR PREREQUISITE MAST20029 Engineering Mathematics 	MAJOR PREREQUISITE PHYC10004 Physics 2: Physical Science & Technology 	BREADTH 
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2024

Semester 1

MAJOR PREREQUISITE ELEN20005 Foundations of Electrical Networks 	MAJOR PREREQUISITE ENGR20005 Numerical Methods in Engineering 	SCIENCE ELECTIVE 	BREADTH 
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Semester 2

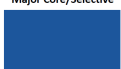
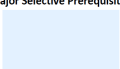
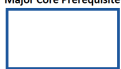
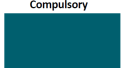
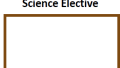
MECHANICAL ENGINEERING SYSTEMS, MAJOR MCEN30021 Mechanical Systems Design 	MECHANICAL ENGINEERING SYSTEMS, MAJOR MCEN30020 Systems Modelling and Analysis 	SCIENCE ELECTIVE 	BREADTH 
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2025

Semester 1

MECHANICAL ENGINEERING SYSTEMS, MAJOR MCEN30018 Thermodynamics and Fluid Mechanics 	MECHANICAL ENGINEERING SYSTEMS, MAJOR MCEN30017 Mechanics & Materials 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE/BREADTH 
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KEY

Major Core/Selective 	Major Selective Prerequisite 	Recommended 	Major Core Prerequisite 
Compulsory 	Breadth 	Science Elective 	

Bachelor of Science Mechatronics Engineering Systems

2022

Semester 2

COMPULSORY SCIE10005 Today's Science, Tomorrow's World 	RECOMMENDED ENGR10006 Engineering Modelling and Design 	MAJOR PREREQUISITE MAST10006 Calculus 2 	BREADTH
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2023

Semester 1

MAJOR PREREQUISITE MAST10007 Linear Algebra 	MAJOR PREREQUISITE PHYC10003 Physics 1 	RECOMMENDED ENGR10004 Engineering Technology and Society 	BREADTH
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Semester 2

MAJOR PREREQUISITE ENGR20004 Engineering Mechanics 	MAJOR PREREQUISITE PHYC10004 Physics 2: Physical Science & Technology 	SCIENCE ELECTIVE 	BREADTH
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2024

Semester 1

MAJOR PREREQUISITE MAST20029 Engineering Mathematics 	MAJOR PREREQUISITE ELEN20005 Foundations of Electrical Networks 	MAJOR PREREQUISITE COMP20005 Intro. to Numerical Computation in C 	BREADTH
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Semester 2

MECHATRONICS ENGINEERING SYSTEMS, MAJOR ENGR30004 Level 3 12.5 points Numerical Algorithms in Engineering 	MECHATRONICS ENGINEERING SYSTEMS, MAJOR MCEN30020 Level 3 12.5 points Systems Modelling and Analysis 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE / BREADTH
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2025

Semester 1

MECHATRONICS ENGINEERING SYSTEMS, MAJOR ELEN30014 Level 3 12.5 points Analog and Digital Electronics Concepts 	MECHATRONICS ENGINEERING SYSTEMS, MAJOR MCEN30021 Level 3 12.5 points Mechanical Systems Design 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE
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KEY

Major Core/Selective	Major Selective Prerequisite	Recommended	Major Core Prerequisite
Compulsory	Breadth	Science Elective	

Bachelor of Science Microbiology

2022

Semester 2

COMPULSORY SCIE10005 Today's Science, Tomorrow's World 	MAJOR PREREQUISITE BIOL10011 Biology: Life's Complexity 	SCIENCE ELECTIVE 	BREADTH 
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2023

Semester 1

MAJOR PREREQUISITE BIOL10009 Biology: Life's Machinery 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	BREADTH 
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Semester 2

SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	BREADTH 
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2024

Semester 1

MAJOR PREREQUISITE MIIM20001 Principles of Microbiology & Immunology 	SCIENCE ELECTIVE 	BREADTH 
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Semester 2

MAJOR PREREQUISITE MIIM20002 Microbes, Infections and Responses 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE / BREADTH 
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2025

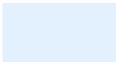
Semester 1

MICROBIOLOGY, MAJOR MIIM30011 Medical Microbiology: Bacteriology 	MICROBIOLOGY, MAJOR MIIM30016 Techniques in Microbiology 	SCIENCE ELECTIVE 
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Semester 2

MICROBIOLOGY, MAJOR MIIM30014 Medical Microbiology: Virology 	MICROBIOLOGY, MAJOR MIIM30017 Medical Microbiology: Parasitology 	SCIENCE ELECTIVE 
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KEY

Major Core/Selective	Major Selective Prerequisite	Recommended	Major Core Prerequisite
			
Compulsory	Breadth	Science Elective	
			

Bachelor of Science Neuroscience

2022

Semester 2

COMPULSORY SCIE10005 Today's Science, Tomorrow's World 	MAJOR PREREQUISITE BIOL10011 Biology: Life's Complexity 	SCIENCE ELECTIVE 	BREADTH
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2023

Semester 1

MAJOR PREREQUISITE BIOL10009 Biology: Life's Machinery 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	BREADTH
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Semester 2

SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	BREADTH
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2024

Semester 1

NEUROSCIENCE, MAJOR NEUR30003 Principles of Neuroscience 	NEUROSCIENCE, MAJOR NEUR30002 Neurophysiology: Neurons and Circuits 	SCIENCE ELECTIVE 	BREADTH
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Semester 2

NEUROSCIENCE, MAJOR NEUR30005 Developmental Neurobiology 	NEUROSCIENCE, MAJOR NEUR30004 Complex Functions in Neuroscience 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE
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2025

Semester 1

SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE
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KEY

Major Core/Selective	Major Selective Prerequisite	Recommended	Major Core Prerequisite
Compulsory	Breadth	Science Elective	

Bachelor of Science Pathology

2022

Semester 2

COMPULSORY SCIE10005 Today's Science, Tomorrow's World 	MAJOR PREREQUISITE BIOL10011 Biology: Life's Complexity 	MAJOR PREREQUISITE CHEM10003 Chemistry 1 	BREADTH
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2023

Summer Term

MAJOR PREREQUISITE CHEM10004 Chemistry 2
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Semester 1

MAJOR PREREQUISITE BIOL10009 Biology: Life's Machinery 	SCIENCE ELECTIVE 	BREADTH
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Semester 2

MAJOR PREREQUISITE BCMB20002 Biochemistry and Molecular Biology 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	BREADTH
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2024

Semester 1

MAJOR PREREQUISITE PATH20001 Exploring Human Disease 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	BREADTH
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Semester 2

MAJOR PREREQUISITE PATH20003 Experimental Pathology 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE
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2025

Semester 1

PATHOLOGY, MAJOR PATH30001 Mechanisms of Human Disease 	PATHOLOGY, MAJOR PATH30002 Techniques for Investigation of Disease 	SCIENCE ELECTIVE/BREADTH
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Semester 2

PATHOLOGY, MAJOR PATH30003 Frontiers in Human Disease 	PATHOLOGY, MAJOR SELECTIVE PATH30004 Advanced Investigation of Human Disease
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KEY

Major Core/Selective	Major Selective Prerequisite	Recommended	Major Core Prerequisite
Compulsory	Breadth	Science Elective	

Bachelor of Science Pharmacology

2022

Semester 2

COMPULSORY SCIE10005 Today's Science, Tomorrow's World 	MAJOR PREREQUISITE CHEM10003 Chemistry 1 	MAJOR PREREQUISITE BIOL10011 Biology: Life's Complexity 	BREADTH
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2023

Summer Term

MAJOR PREREQUISITE CHEM10004 Chemistry 2
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Semester 1

MAJOR PREREQUISITE BIOL10009 Biology: Life's Machinery 	SCIENCE ELECTIVE 	BREADTH
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Semester 2

MAJOR PREREQUISITE PHRM20001 Pharmacology: How Drugs Work 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	BREADTH
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2024

Semester 1

SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	BREADTH
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Semester 2

PHARMACOLOGY, MAJOR SELECTIVE PHRM30008 Drugs: From Discovery to Market 	PHARMACOLOGY, MAJOR SELECTIVE PHRM30002 Drugs Affecting the Nervous System 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE/BREADTH
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2025

Semester 1

PHARMACOLOGY, MAJOR PHRM30009 Drugs in Biomedical Experiments 	PHARMACOLOGY, MAJOR SELECTIVE PHRM30003 Drug Treatment of Disease 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE
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KEY

Major Core/Selective	Major Selective Prerequisite	Recommended	Major Core Prerequisite
Compulsory	Breadth	Science Elective	

Bachelor of Science Physics (Chemical Physics specialisation)

2022

Semester 2

COMPULSORY SCIE10005 Today's Science, Tomorrow's World 	MAJOR PREREQUISITE MAST10006 Calculus 2 	MAJOR PREREQUISITE CHEM10003 Chemistry 1 	MAJOR PREREQUISITE PHYC10003 Physics 1 
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2023

Summer Term

MAJOR PREREQUISITE CHEM10004 Chemistry 2 	MAJOR PREREQUISITE PHYC10004 Physics 2: Physical Science & Technology 
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Semester 1

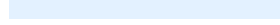
MAJOR PREREQUISITE MAST10007 Linear Algebra 	BREADTH 
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Semester 2

MAJOR PREREQUISITE PHYC20015 Special Relativity and Electromagnetism 	MAJOR PREREQUISITE MAST20009 Vector Calculus 	MAJOR PREREQUISITE CHEM20020 Chemistry: Structure and Properties 	MAJOR PREREQUISITE MAST20030 Differential Equations 
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2024

Semester 1

MAJOR PREREQUISITE PHYC20012 Quantum and Thermal Physics 	MAJOR PREREQUISITE CHEM20018 Chemistry: Reactions and Synthesis 	MAJOR SELECTIVE PREREQUISITE PHYC20013 Laboratory and Computational Physics 2 	BREADTH 
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Semester 2

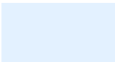
CHEMICAL PHYSICS SPECIALISATION SELECTIVE PHYC30017 Statistical Physics 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE/BREADTH 	BREADTH 
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2025

Semester 1

CHEMICAL PHYSICS SPECIALISATION PHYC30018 Quantum Physics 	CHEMICAL PHYSICS SPECIALISATION CHEM30016 Reactivity and Mechanism 	CHEMICAL PHYSICS SPECIALISATION SELECTIVE PHYC30021 Laboratory and Computational Physics 3 	BREADTH 
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KEY

Major Core/Selective 	Major Selective Prerequisite 	Recommended 	Major Core Prerequisite 
Compulsory 	Breadth 	Science Elective 	

Bachelor of Science Physics (Physics specialisation)

2022

Semester 2

COMPULSORY SCIE10005 Today's Science, Tomorrow's World 	MAJOR PREREQUISITE MAST10006 Calculus 2 	MAJOR PREREQUISITE PHYC10003 Physics 1 	BREADTH
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2023

Summer Term

MAJOR PREREQUISITE PHYC10004 Physics 2: Physical Science & Technology 	MAJOR PREREQUISITE MAST10007 Linear Algebra
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Semester 1

MAJOR PREREQUISITE MAST20009 Vector Calculus 	BREADTH
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Semester 2

MAJOR PREREQUISITE PHYC20014 Theoretical Physics 2 	MAJOR PREREQUISITE PHYC20015 Special Relativity and Electromagnetism 	SCIENCE ELECTIVE 	BREADTH
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2024

Semester 1

MAJOR PREREQUISITE PHYC20013 Laboratory and Computational Physics 2 	MAJOR PREREQUISITE PHYC20012 Quantum and Thermal Physics 	SCIENCE ELECTIVE 	BREADTH
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Semester 2

PHYSICS SPECIALISATION PHYC30021 Laboratory and Computational Physics 3 	PHYSICS SPECIALISATION SELECTIVE PHYC30017 Statistical Physics 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE/BREADTH
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2025

Semester 1

PHYSICS SPECIALISATION PHYC30018 Quantum Physics 	PHYSICS SPECIALISATION SELECTIVE PHYC30019 Astrophysics 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE
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KEY

Major Core/Selective	Major Selective Prerequisite	Recommended	Major Core Prerequisite
Compulsory	Breadth	Science Elective	

Bachelor of Science Physiology

2022

Semester 2

COMPULSORY SCIE10005 Today's Science, Tomorrow's World 	RECOMMENDED PHYC10003 Physics 1 	MAJOR PREREQUISITE BIOL10011 Biology: Life's Complexity 	BREADTH
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2023

Semester 1

MAJOR PREREQUISITE BIOL10009 Biology: Life's Machinery 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	BREADTH
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Semester 2

MAJOR PREREQUISITE PHYS20008 Human Physiology 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	BREADTH
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2024

Semester 1

MAJOR PREREQUISITE PHYS20009 Research-Based Physiology 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	BREADTH
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Semester 2

PHYSIOLOGY, MAJOR SELECTIVE PHYS30012 Physiology: Adapting to Challenges 	PHYSIOLOGY, MAJOR SELECTIVE BIOL30001 Reproductive Physiology 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE/BREADTH
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2025

Semester 1

PHYSIOLOGY, MAJOR SELECTIVE PHYS30010 Advanced Human Physiology 	PHYSIOLOGY, MAJOR SELECTIVE PHYS30009 Experimental Physiology 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE
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KEY

Major Core/Selective	Major Selective Prerequisite	Recommended	Major Core Prerequisite
Compulsory	Breadth	Science Elective	

Bachelor of Science Plant Science

2022

Semester 2

COMPULSORY SCIE10005 Today's Science, Tomorrow's World 	MAJOR SELECTIVE PREREQUISITE BIOL10011 Biology: Life's Complexity 	SCIENCE ELECTIVE 	BREADTH
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2023

Summer Term

MAJOR SELECTIVE PREREQUISITE BOTA20004 Flora of Victoria
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Semester 1

MAJOR SELECTIVE PREREQUISITE BIOL10009 Biology: Life's Machinery 	SCIENCE ELECTIVE 	BREADTH
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Semester 2

MAJOR SELECTIVE PREREQUISITE BOTA20002 Plant Biodiversity 	MAJOR SELECTIVE PREREQUISITE ECOL20003 Ecology 	SCIENCE ELECTIVE 	BREADTH
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2024

Semester 1

MAJOR SELECTIVE PREREQUISITE BOTA20001 Green Planet: Plants and the Environment 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	BREADTH
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Semester 2

PLANT SCIENCE, MAJOR SELECTIVE BOTA30002 Plant Evolution 	PLANT SCIENCE, MAJOR SELECTIVE BOTA30004 Vegetation Management and Conservation 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE/BREADTH
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2025

Summer Term

PLANT SCIENCE, MAJOR SELECTIVE BOTA30006 Field Botany

Semester 1

PLANT SCIENCE, MAJOR SELECTIVE BOTA30005 Plant Molecular Biology & Biotechnology 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE
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KEY

Major Core/Selective	Major Selective Prerequisite	Recommended	Major Core Prerequisite
Compulsory	Breadth	Science Elective	

Bachelor of Science Psychology

2022

Semester 2

COMPULSORY SCIE10005 Today's Science, Tomorrow's World 	MAJOR PREREQUISITE PSYC10004 Mind, Brain and Behaviour 2 	SCIENCE ELECTIVE 	BREADTH 
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2023

Semester 1

MAJOR PREREQUISITE PSYC10003 Mind, Brain & Behaviour 1 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	BREADTH 
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Semester 2

MAJOR PREREQUISITE PSYC20007 Cognitive Psychology 	MAJOR PREREQUISITE PSYC20009 Personality and Social Psychology 	SCIENCE ELECTIVE 	BREADTH 
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2024

Semester 1

PSYCHOLOGY, MAJOR PSYC30013 Research Methods for Human Inquiry 	MAJOR PREREQUISITE PSYC20008 Developmental Psychology 	MAJOR PREREQUISITE PSYC20006 Biological Psychology 	BREADTH 
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Semester 2

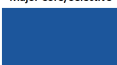
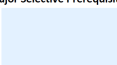
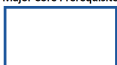
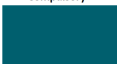
PSYCHOLOGY, MAJOR PSYC30021 Psychological Science: Theory & Practice 	PSYCHOLOGY, MAJOR SELECTIVE PSYC30022 Trends in Personality& Social Psychology 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE/BREADTH 
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2025

Semester 1

PSYCHOLOGY, MAJOR SELECTIVE PSYC30014 The Psychopathology of Everyday Life 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 
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KEY

Major Core/Selective	Major Selective Prerequisite	Recommended	Major Core Prerequisite
			
Compulsory	Breadth	Science Elective	
			

Bachelor of Science Psychology

2022

Semester 2

COMPULSORY SCIE10005 Today's Science, Tomorrow's World 	RECOMMENDED PSYC10004 Mind, Brain and Behaviour 2 	SCIENCE ELECTIVE 	BREADTH 
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2023

Semester 1

RECOMMENDED PSYC10003 Mind, Brain & Behaviour 1 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	BREADTH 
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Semester 2

MAJOR PREREQUISITE PSYC20007 Cognitive Psychology 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	BREADTH 
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2024

Semester 1

PSYCHOLOGY, MAJOR PSYC30013 Research Methods for Human Inquiry 	MAJOR PREREQUISITE PSYC20008 Developmental Psychology 	SCIENCE ELECTIVE 	BREADTH 
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Semester 2

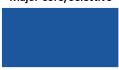
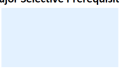
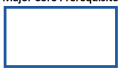
PSYCHOLOGY, MAJOR PSYC30021 Psychological Science: Theory & Practice 	PSYCHOLOGY, MAJOR SELECTIVE PSYC30016 Lifespan Social & Emotional Development 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE/BREADTH 
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2025

Semester 1

PSYCHOLOGY, MAJOR SELECTIVE PSYC30017 Perception, Memory and Cognition 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 
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KEY

Major Core/Selective	Major Selective Prerequisite	Recommended	Major Core Prerequisite
			
Compulsory	Breadth	Science Elective	
			

Bachelor of Science Spatial Systems

2022

Semester 2

COMPULSORY SCIE10005 Today's Science, Tomorrow's World 	MAJOR PREREQUISITE MAST10006 Calculus 2 	SCIENCE ELECTIVE 	BREADTH
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2023

Semester 1

MAJOR PREREQUISITE MAST10007 Linear Algebra 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	BREADTH
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Semester 2

MAJOR PREREQUISITE GEOM20015 Surveying and Mapping 	MAJOR PREREQUISITE COMP20005 Intro. to Numerical Computation in C 	SCIENCE ELECTIVE 	BREADTH
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2024

Semester 1

MAJOR PREREQUISITE GEOM20013 Applications of GIS 	SPATIAL SYSTEMS, MAJOR GEOM30009 Imaging the Environment 	SCIENCE ELECTIVE 	BREADTH
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Semester 2

SPATIAL SYSTEMS, MAJOR GEOM30012 Integrated Spatial Systems 	SPATIAL SYSTEMS, MAJOR GEOM30013 Land Administration Systems 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE/BREADTH
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2025

Semester 1

SPATIAL SYSTEMS, MAJOR CVEN30008 Level 3 12.5 points Engineering Risk Analysis 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE
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KEY

Major Core/Selective	Major Selective Prerequisite	Recommended	Major Core Prerequisite
Compulsory	Breadth	Science Elective	

Bachelor of Science Veterinary BioSciences

2022

Semester 2

COMPULSORY SCIE10005 Today's Science, Tomorrow's World 	MAJOR PREREQUISITE BIOL10011 Biology: Life's Complexity 	MAJOR PREREQUISITE CHEM10003 Chemistry 1
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2023

Summer Term

RECOMMENDED CHEM10004 Chemistry 2

Semester 1

MAJOR PREREQUISITE BIOL10009 Biology: Life's Machinery 	RECOMMENDED PHYC10009 Foundations of Physics 	BREADTH
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Semester 2

RECOMMENDED ZOO120006 Comparative Animal Physiology 	SCIENCE ELECTIVE 	BREADTH
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2024

Semester 1

MAJOR PREREQUISITE VETS20019 Frontiers in Veterinary Science 	SCIENCE ELECTIVE 	BREADTH
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Semester 2

MAJOR PREREQUISITE BCMB20002 Biochemistry and Molecular Biology 	SCIENCE ELECTIVE/BREADTH 	BREADTH
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2025

Semester 1

VETERINARY BIOSCIENCES, MAJOR VETS30029 Veterinary Bioscience: Cells to Systems 	VETERINARY BIOSCIENCES, MAJOR VETS30016 Veterinary Bioscience: Digestive System 	VETERINARY BIOSCIENCES, MAJOR VETS30030 Introduction to Professional Practice 	VETERINARY BIOSCIENCES, MAJOR VETS30031 Animal Production Systems 1
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Semester 2

VETERINARY BIOSCIENCES, MAJOR VETS30014 Veterinary Bioscience: Cardiovasc System 	VETERINARY BIOSCIENCES, MAJOR VETS30017 Veterinary Bioscience: Metabolism 	VETERINARY BIOSCIENCES, MAJOR VETS30018 Veterinary Bioscience:Respiratory System 	VETERINARY BIOSCIENCES, MAJOR VETS30032 Animal Production Systems 2
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KEY

Major Core/Selective	Major Selective Prerequisite	Recommended	Major Core Prerequisite
Compulsory	Breadth	Science Elective	

Animal Behaviour Focus

Bachelor of Science Zoology

2022

Semester 2

COMPULSORY SCIE10005 Today's Science, Tomorrow's World 	MAJOR SELECTIVE PREREQUISITE BIOL10011 Biology: Life's Complexity 	SCIENCE ELECTIVE 	BREADTH
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2023

Semester 1

MAJOR SELECTIVE PREREQUISITE BIOL10009 Biology: Life's Machinery 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	BREADTH
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Semester 2

MAJOR SELECTIVE PREREQUISITE ECOL20003 Ecology 	MAJOR SELECTIVE PREREQUISITE ZOOL20006 Comparative Animal Physiology 	SCIENCE ELECTIVE 	BREADTH
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2024

Semester 1

MAJOR SELECTIVE PREREQUISITE MAST20031 Analysis of Biological Data 	MAJOR SELECTIVE PREREQUISITE ZOOL20005 Animal Structure and Function 	SCIENCE ELECTIVE 	BREADTH
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Semester 2

ZOOLOGY, MAJOR SELECTIVE ZOOL30009 Tropical Field Ecology 	ZOOLOGY, MAJOR SELECTIVE ECOL30005 Applied Ecology 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE/BREADTH
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2025

Semester 1

ZOOLOGY, MAJOR SELECTIVE ZOOL30006 Animal Behaviour 	ZOOLOGY, MAJOR SELECTIVE ZOOL30007 Experimental Animal Behaviour 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE
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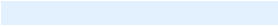
KEY

Major Core/Selective	Major Selective Prerequisite	Recommended	Major Core Prerequisite
Compulsory	Breadth	Science Elective	

Bachelor of Science Zoology

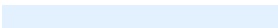
2022

Semester 2

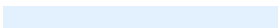
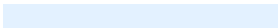
COMPULSORY SCIE10005 Today's Science, Tomorrow's World 	MAJOR SELECTIVE PREREQUISITE BIOL10011 Biology: Life's Complexity 	SCIENCE ELECTIVE 	BREADTH 
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2023

Semester 1

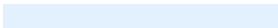
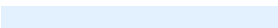
MAJOR SELECTIVE PREREQUISITE BIOL10009 Biology: Life's Machinery 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	BREADTH 
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Semester 2

MAJOR SELECTIVE PREREQUISITE ECOL20003 Ecology 	MAJOR SELECTIVE PREREQUISITE ZOOL20006 Comparative Animal Physiology 	SCIENCE ELECTIVE 	BREADTH 
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2024

Semester 1

MAJOR SELECTIVE PREREQUISITE MAST20031 Analysis of Biological Data 	MAJOR SELECTIVE PREREQUISITE ZOOL20005 Animal Structure and Function 	SCIENCE ELECTIVE 	BREADTH 
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Semester 2

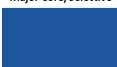
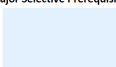
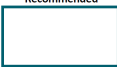
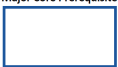
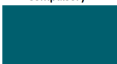
ZOOLOGY, MAJOR SELECTIVE ZOOL30009 Tropical Field Ecology 	ZOOLOGY, MAJOR SELECTIVE ECOL30005 Applied Ecology 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE/BREADTH 
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2025

Semester 1

ZOOLOGY, MAJOR SELECTIVE ECOL30006 Ecology in Changing Environments 	ZOOLOGY, MAJOR SELECTIVE SCIE30001 Science Research Project 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 
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KEY

Major Core/Selective 	Major Selective Prerequisite 	Recommended 	Major Core Prerequisite 
Compulsory 	Breadth 	Science Elective 	

2022

Semester 2

COMPULSORY SCIE10005 Today's Science, Tomorrow's World 	MAJOR SELECTIVE PREREQUISITE BIOL10011 Biology: Life's Complexity 	SCIENCE ELECTIVE 	BREADTH
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2023

Semester 1

MAJOR SELECTIVE PREREQUISITE BIOL10009 Biology: Life's Machinery 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	BREADTH
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Semester 2

MAJOR SELECTIVE PREREQUISITE ECOL20003 Ecology 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	BREADTH
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2024

Semester 1

MAJOR SELECTIVE PREREQUISITE EVSC20004 Blue Planet - Intro to Marine Biology 	MAJOR SELECTIVE PREREQUISITE MAST20031 Analysis of Biological Data 	SCIENCE ELECTIVE 	BREADTH
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Semester 2

ZOOLOGY, MAJOR SELECTIVE ECOL30005 Applied Ecology 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE/BREADTH
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2025

Summer Term

ZOOLOGY, MAJOR SELECTIVE ZOOL30008 Experimental Marine Biology
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Semester 1

ZOOLOGY, MAJOR SELECTIVE ECOL30007 Marine Biodiversity and Biogeography 	ZOOLOGY, MAJOR SELECTIVE ECOL30006 Ecology in Changing Environments 	SCIENCE ELECTIVE
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KEY

Major Core/Selective

Major Selective Prerequisite

Recommended

Major Core Prerequisite

Compulsory

Breadth

Science Elective

Reproductive Physiology focus

Bachelor of Science Zoology

2022

Semester 2

COMPULSORY SCIE10005 Today's Science, Tomorrow's World 	MAJOR SELECTIVE PREREQUISITE BIOL10011 Biology: Life's Complexity 	SCIENCE ELECTIVE 	BREADTH
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2023

Semester 1

MAJOR SELECTIVE PREREQUISITE BIOL10009 Biology: Life's Machinery 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	BREADTH
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Semester 2

MAJOR SELECTIVE PREREQUISITE ZOO120006 Comparative Animal Physiology 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	BREADTH
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2024

Semester 1

MAJOR SELECTIVE PREREQUISITE ZOO120005 Animal Structure and Function 	MAJOR SELECTIVE PREREQUISITE GENE20001 Foundations of Genetics and Genomics 	MAJOR SELECTIVE PREREQUISITE MAST20031 Analysis of Biological Data 	BREADTH
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Semester 2

MAJOR SELECTIVE PREREQUISITE GENE20004 Applications of Genetics and Genomics 	ZOOLOGY, MAJOR SELECTIVE BIOL30001 Reproductive Physiology 	ZOOLOGY, MAJOR SELECTIVE CEDB30003 Developmental Biology 	ZOOLOGY, MAJOR SELECTIVE BIOL30002 Experimental Reproductive Physiology
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2025

Semester 1

ZOOLOGY, MAJOR SELECTIVE GENE30001 Evolutionary Genetics and Genomics 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE 	SCIENCE ELECTIVE/BREADTH
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KEY

Major Core/Selective	Major Selective Prerequisite	Recommended	Major Core Prerequisite
Compulsory	Breadth	Science Elective	