

Enrolment Course Structure

Course Code – SI5

Course Name – Bachelor of Science

Locations: MTH, ODL

First Year			
Unit Code	Unit Name	Unit Rules	CR Points
Semester 1			
SCBIO1001	Principles of Biology	EX: BIOGC1722, SCCOR1100, SCBIO1010	15
SCCHM1001	Chemistry 1		15
SCCOR1200	Scientific Communication	EX: SCCOR2200	15
	Major and Minor and Elective Options		
Semester 2			
COOPS1001	Professional Identity (Science)	PR: Students must be enrolled in one of the following courses: SI5, SI5.ES, SI5.VB or SB5	15
SCCOR1300	Scientific Practice	EX: ENCOR1015, MATHS1000, EDMTH1000, MATHS1101	15
	Major and Minor and Elective Options		15
	Major and Minor and Elective Options		15
Second Year			
Unit Code	Unit Name	Unit Rules	CR Points
Semester 1			
	Major and Minor and Elective Options		15
	Major and Minor and Elective Options		15
	Elective		15
	Elective		15
Semester 2			
COOPS2011	Co-op placement 1	PR: student must have achieved at least 105 credit points prior to enrolment and COOPS1001 EX: BUGEN3751, BUGEN3752, SCCOR3003, SCCOR3014, COOPC2006, COOPC2026	30
	Major and Minor and Elective Options		15
	Major and Minor and Elective Options		15

Third Year			
Unit Code	Unit Name	Unit Rules	CR Points
Semester 1			
COOPS2012	Co-operative Placement 2 (Science)	PR: COOPS1001 and studentS must have achieved at least 105 credit points prior to enrolment	30
	Major and Minor and Elective Options		15
	Major and Minor and Elective Options		15
Semester 2			
	Major and Minor and Elective Options		15
	Major and Minor and Elective Options		15
	Minor / Elective		15
	Elective		15

Bachelor of Science Major and Minor Sequences

BIOCHEMISTRY

Major

SCBCH2001 Biochemistry
 SCBCH2002 Nutrition and Metabolism
 SCBCH3010 Advanced Bioanalytical Techniques
 SCBIO1001 Principles of Biology
 SCCHM1002 Chemistry 2
 SCCHM2001 Analytical Techniques
 SCCHM3001 Medicinal Chemistry
 SCMOL3001 Molecular Cell Biology

Minor

SCBIO1001 Principles of Biology
 SCCHM1002 Chemistry 2
 SCBCH2001 Biochemistry
 SCBCH2002 Nutrition and Metabolism

CELL BIOLOGY

Major

SCBIO1001 Principles of Biology
 SCBIO1020 Systems Biology
 SCBCH2001 Biochemistry

SCMED2010 Pathophysiology 1
 SCMOL2010 Mammalian Genetics
 SCMOL3001 Molecular Cell Biology
 SCMED3010 Pharmacology and Toxicology
 SCMOL3020 Immunology
Minor
 SCBIO1001 Principles of Biology
 SCBIO1020 Systems Biology
 SCBCH2001 Biochemistry
 SCMOL2010 Mammalian Genetics OR SCMED2010 Pathophysiology 1

CHEMISTRY

Major
 SCBCH2001 Biochemistry
 SCCHM1001 Chemistry 1
 SCCHM1002 Chemistry 2
 SCCHM2001 Analytical Techniques
 SCCHM2002 Environmental Chemistry
 SCBCH3010 Advanced Bioanalytical Techniques
 SCCHM3001 Medicinal Chemistry
 SCCHM3004 Organic Synthesis for Drug Design

Minor
 SCCHM1001 Chemistry 1
 SCCHM1002 Chemistry 2
 SCCHM2001 Analytical Techniques
 SCCHM2002 Environmental Chemistry

ECOLOGY

Major
 SCENV1001 Environmental Studies
 SCENV1002 Biodiversity Conservation
 SCENV2100 Australian Fauna **or** SCENV2101 Australian Flora
 SCENV2200 Population and Community Ecology
 SCENV2500 FIELD-BASED INVESTIGATION
 SCENV3110 Fire Ecology: Burning Issues for Science and Management
 SCENV3204 Arid Zone: Ecology, Management and Challenges
 SCENV3802 Wildlife and Ecosystem Conservation

Minor
 SCENV1001 Environmental Studies
 SCENV1002 Biodiversity Conservation
 SCENV2200 Population and Community Ecology
 SCENV2100 Australian Fauna

ENVIRONMENTAL RESTORATION

Major

SCENV1001 Environmental Studies
 SCENV2101 Australian Flora
 SCENV2600 Geographic Information Systems
 SCENV2804 Invasive Species: Ecology, Management and Challenges
 SCENV3120 Landscape Restoration and Mine Site Rehabilitation
 SCENV3500 Climate and Environmental Issues in a Changing World
 SCENV3912 Environmental Assessment
 SCSUS1500 Sustainable Earth

Minor

SCENV1001 Environmental Studies
 SCENV2804 Invasive Species: Ecology, Management and Challenges
 SCENV3120 Landscape Restoration and Mine Site Rehabilitation
 SCSUS1500 Sustainable Earth

LABORATORY BIOSCIENCE

Major

SCBIO1001 Principles of Biology
 SCCHM1002 Chemistry 2
 SCCHM2001 Analytical techniques
 SCMIC2001 General Microbiology
 SCMOL2001 Biotechnology Laboratory Techniques
 SCBCH3010 Advanced Bioanalytical Techniques
 SCMED3034 Histopathology and Haematology
 SCMIC3003 Clinical Microbiology

Minor

SCBIO1001 Principles of Biology
 SCCHM1002 Chemistry 2
 SCCHM2001 Analytical Techniques
 SCMOL2001 Biotechnology Laboratory Techniques

MICROBIOLOGY

Major

SCBIO1001 Principles of Biology
 SCCHM1001 Chemistry 1
 SCMIC2001 General Microbiology
 SCMIC3002 Food Microbiology
 SCMIC3003 Clinical Microbiology
 SCMOL2001 Biotechnology Laboratory Techniques
 SCMOL3020 Immunology
 SCBCH3010 Advanced Bioanalytical Techniques

Minor

SCBIO1001 Principles of Biology
SCCHM1001 Chemistry 1
SCMIC2001 General Microbiology
SCMOL2001 Biotechnology Laboratory Techniques

Course Rules

- The Bachelor of Science course requires three years of full-time study or equivalent part-time study.
- Students must complete all core units, plus either:
 - one major sequence (8 x 15cp units) and one minor sequence (4 x 15 cp units), or
 - a double major sequences (14 x 15cp units) available in Brewing and Food Science, Chemistry and Analytical Science, Veterinary Bioscience, Wildlife and Ecosystem Conservation
- A maximum of ten 1000-level units and a minimum of four 3000-level units are required
- The Co-op Placement unit can be completed as 2 x 30cp units at any time in the second and third year of study

Additional Information

This course structure applies to continuing students.

Course Coordinator

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TEQSA have advised that, in accordance with B1.1.3 of [Higher Education Standards Framework \(Threshold Standards\) 2021](#) all Higher Education Providers are required to show their TEQSA Provider number and Provider Category on all relevant public material. ITS have ensured that our website and email signature templates have been amended to ensure compliance and have provided a knowledge article to assist you to update your signatures. Marketing are working to update the brand library and all social media accounts.

Glossary

Semester: designated teaching period.

PR: Pre-requisite, a unit/s that must be completed prior to undertaking another unit.

CO: Co-requisite, a unit/s that must be completed simultaneously, or prior to, undertaking another unit.

EX: Exclusion, a unit/s that may not be taken.