Enrolment Course Structure

Course Code – SI5

Course Name – Bachelor of Science

First Year			
Unit Code	**Unit Name**	**Unit Rules**	**CR Points**
Semester 1			
SCBIO 1001	Principles of Biology	**EX:** BIOGC1722, SCCOR1100, SCBIO1010	15
SCCHM 1001	Chemistry 1		15
SCCOR 1200	Scientific Communication	**EX:** SCCOR2200	15
	Major		15
Semester 2			
COOPS 1001	Professional Identity (Science)	**PR:** Must be enrolled in one of the following: SI5, SI5.ES, SI5.VB, SB5	15
SCCOR 1300	Scientific Practice	**EX:** ENCOR1015, MATHS1000, EDMTH1000, MATHS1101	15
	Minor		15
	Major		15

Second Year			
Unit Code	**Unit Name**	**Unit Rules**	**CR Points**
Semester 1			
	Major		15
	Minor		15
	Elective		15
	Elective		15
Semester 2			
COOPS 2011	Co-op placement 1	**PR:** 105 CR Points and COOPS1001 **EX:** BUGEN3751, BUGEN3752, SCCOR3003, SCCOR3014, COOPC2006, COOPC2026	30
	Major		15
	Minor		15

Third Year			
Unit Code	**Unit Name**	**Unit Rules**	**CR Points**
Semester 1			
COOPS2012	Co-op placement 2	**PR:** 105 CR Points and COOPS1001 **EX:** COOPC2006, COOPC2026	30
	Major		15
	Major		15
Semester 2			
	Major		15
	Major		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
SCCHM2001 Analytical Techniques
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
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
SCBIO1020 Systems Biology
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 students commencing from 2025. Students who commenced prior to 2025 should refer to the continuing enrolments page.

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.