Federation University | Institute of Innovation, Science and Sustainability

Mid-year Enrolment Course Structure

Course Code – SI5

Course Name – Bachelor of Science

First Year	Unit Code	Unit Name	Unit Rules
Semester 2			
	COOPS 1001	Professional Identity (Science)	**PR:** Must be enrolled in one of the following: SI5, SI5.ES, SI5.VB, SB5
	SCCOR 1300	Scientific Practice	**EX:** ENCOR1015, MATHS1000, EDMTH1000, MATHS1101
		Minor	
		Major	
Semester 1			
	SCBIO 1001	Principles of Biology	**EX:** BIOGC1722, SCCOR1100, SCBIO1010
	SCCHM 1001	Chemistry 1	
	SCCOR 1200	Scientific Communication	**EX:** SCCOR2200
		Major	
Second Year	**Unit Code**	**Unit Name**	**Unit Rules**
Semester 2			
	COOPS 2011	Co-op placement 1	**PR:** 105 CR Points and COOPS1001 **EX:** BUGEN3751, BUGEN3752, SCCOR3003, SCCOR3014, COOPC2006, COOPC2026
		Major	
		Minor	
Semester 1			
		Major	
		Minor	
		Elective	
		Elective	

Third Year	Unit Code	Unit Name	Unit Rules
Semester 2			
		Major	
		Major	
		Minor / Elective	
		Elective	
Semester 1			
	COOPS2012	Co-op placement 2	**PR:** 105 CR Points and COOPS1001 **EX:** COOPC2006, COOPC2026
		Major	
		Major	

Bachelor of Science Major and Minor Sequences

BIOCHEMISTRY

Major

SCBIO1001 Principles of Biology
SCCHM1002 Chemistry 2
SCBCH2001 Biochemistry
SCBCH2002 Nutrition and Metabolism
SCMOL3001 Molecular Cell Biology
SCCHM3001 Medicinal Chemistry
SCBCH3010 Advanced Bioanalytical Techniques
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
SCMED 2010 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
SCMED 2010 Pathophysiology 1

CHEMISTRY

Major

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

Minor

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

ECOLOGY

Major

SCENV1001 Environmental Studies
SCENV1002 Biodiversity Conservation
SCENV2200 Population and Community Ecology
SCENV2500 FIELD-BASED INVESTIGATION
SCENV2100 Australian Fauna
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
SCSUS1500 Sustainable Earth
SCENV2600 Geographic Information Systems
SCENV2101 Australian Flora
SCENV2804 Invasive Species: Ecology, Management and Challenges
SCENV3120 Landscape Restoration and Mine Site Rehabilitation
SCENV3912 Environmental Assessment
SCENV3500 Climate and Environmental Issues in a Changing World

Minor

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

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
SCBIO1020 Systems Biology
SCMIC2001 General Microbiology
SCMOL2001 Biotechnology Laboratory Techniques
SCBCH3010 Advanced Bioanalytical Techniques
SCMIC3002 Food Microbiology

SCMIC3003 Clinical Microbiology
SCMOL3020 Immunology

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:
    - **135** credit points from **Core Units**, and
    - **225** credit points for **Major and Minor and Elective Options**
        - (at most) 150 credit points at level 1000.
        - (at least) 60 credit points at level 3000.
- one major sequence (8 x 15cp units) and one minor sequence (4 x 15 cp units)
- 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 mid-year entry students.

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.