

Enrolment Program Structure

Program Code – SB5

Program Name – Bachelor of Biomedical Science

(It is strongly recommended by the Faculty that students commencing online study enrol in a reduced load of two courses per semester with a maximum of three).

Course Code	Course Name	Course Rules
First Year Semester 1		
SCBIO1010	Principles of Biology	EX: BIOGC1722 & SCCOR1100
SCCHM1001	Chemistry 1	EX: CHMGC1011 & SCCHE1011
SCCOR1300	Scientific Practice	EX: ENCOR1015, MATHS1000, MATGC1010
	1 st Level Elective	PR: Nil
First Year Semester 2		
SCBIO1020	Systems Biology	EX: BIOGC1711 or SCMED1014
SCCHM1002	Chemistry 2	EX: CHMGC1022 or SCCHE1012
SCCOR1200	Scientific Communication	EX: SCCOR1001 and SCIGC1010 and SCMED1010
STATS1000	Statistical Methods	EX: SCIGC1020
Second Year Semester 1		
SCBCH2001	Biochemistry	PR: BIOGC1722 or SCBIO1010 or SCMED1014 and CHMGC1022 or SCCHE1012 or SCCHM1002 EX: BTHGC2741 and SCBIO2053
SCMIC2001	General Microbiology	PR: BIOGC1722 or SCBIO1010 EX: MICGC2001 or MICGC2011 or SCBIO1032
SCCHM2001	Analytical Techniques	PR: CHMGC1022 or SCCHE1012 or SCCHM1002 EX: CHMGC2922 and SCFST2043
SCMED2010	Pathophysiology 1	PR: BIOGC1711 or SCBIO1020 or SCMED1014 EX: BIOGC2731
Second Year Semester 2		
SCBCH 2002	Nutrition and Metabolism	PR: CHMGC1011 or SCCHE1011 or SCCHM1001 EX: BTHGC2752 and SCBIO2054
SCMOL2020	Immunology	PR: BIOGC1711 or SCBIO1020 or SCMED1014 EX: IMMGC3802 and SCMED2020
SCMOL2001	Biotechnology Laboratory Techniques	PR: MICGC2001 or MICGC2011 or SCBIO1032 or SCMIC2001
SCMED2011	Pathophysiology 2	PR: BIOGC1711 or SCBIO1020 or SCMED1014 EX: BIOGC2732
Third Year Semester 1		
SCMOL2010	Mammalian Genetics	PR: BIOGC1722 or SCBIO1010 or SCBIO1020 or SCMED1014 EX: BTHGC2732 and SCMED2031
	Specialisation Elective	
	Specialisation Elective	
	Specialisation Elective	

Third Year Semester 2

SCCOR3000	Laboratory Management & Quality Assurance (ONLINE)	PR: 240 Credit Points
	Specialisation Elective	
	Specialisation Elective	
	Specialisation Elective	

Specialisation Elective options

Semester 1	SCMOL 3001 Molecular Cell Biology
Semester 1	SCMED 3010 Pharmacology and Toxicology
Semester 1	SCCHM 3004 Organic Synthesis for Drug Design (Only available via Online Learning)
Semester 1	SCBCH 3001 Lifespan Nutrition (ONLINE)
Semester 1 & 2	SCCOR 3011 Science Internship (PR: Permission required from Course Coordinator Kamal Seyed Razavi) (ONLINE)
Semester 1 & 2	SCCOR 3001 Research Project (Pre requisite 240 Credit Points)
Semester 2	SCMIC 3003 Clinical Microbiology
Semester 2	SCCOR3010 Trend and Challenges in Biosciences
Semester 2	SCMED 3034 Histopathology and Haematology (ONLINE)
Semester 2	SCMOL 3010 Advanced methods in Biotechnology
Semester 2	SCCHM 3001 Medicinal Chemistry
Semester 2	SCMIC 3001 Applied and Environmental Microbiology

Additional Information

This structure applies to students commencing in 2018.

Essential Equipment

You are required to obtain specific Personal Protective Equipment (PPE) for your program, detailed below, and will not be able to commence lab classes without this essential safety equipment.

The required PPE can be obtained from any sources; however it MUST be available for commencement of classes.

Product	Cost	Comments
White lab coat	\$31.95	Various sizing available
Safety glasses	from \$6.00	Various styles available, including those designed to be worn over prescription glasses available at \$6.95

Glossary

Semester: designated teaching period.

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

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

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

SCCOR3011- SCIENCE INTERNSHIP

DESCRIPTION OF THE COURSE:

Students undertake discipline-related work where they apply theoretical knowledge to practical situations, depending on the role of the student within the placement. Students focus on personal and professional development, understanding the interplay at team, organisation and industry levels, and development of scientific skills and knowledge. The placement may involve field, laboratory and/or office based work.

There are no structured lectures or tutorials for this course. Students will undertake internship in a workplace (generally external to Federation University), and work for at least 12 full days or equivalent carrying out relevant duties appropriate to a third year University student.

COURSE REQUIREMENTS:

Preparations: Before enrolling in this course students are expected to:

- Find a suitable workplace to undertake their internship, and identify a “**work place supervisor**”. This is to occur preferably during semester break and by the end of the week 1 at the latest, so that their work can be planned out and completed during the semester.
- Align with an appropriate academic staff member within their discipline that will supervise their placement as their “**discipline supervisor**”.
- Contact the “**course coordinator**” to book a time to formalise arrangements. An interview will take place between the student and the course coordinator by the end of week 1 to determine whether the student has arranged a suitable placement. Students are to provide relevant information and documentation as explained in the course description. Students can only commence their internship once the course coordinator has confirmed the arrangement.

Placement: Between weeks 1 to 12 the students will undertake their internship. The specific day-to-day arrangements will be negotiated between the student and the workplace.

Assessment: Students will prepare a seminar presentation and a project report on their internship experience for assessment and the due date will be determined in consultation between the student and the course coordinator (generally due at the end of the semester during the exam period). The workplace supervisor will also complete an assessment to assist in evaluation of the students’ performance during the work placement.

Course Coordinator

