

PROGRAM PLANNER

Bachelor of Science (Biotechnology)

BA-SCIBIO3



Semester 1 2021 Intake

Recommended Sequence

Units are listed on your Course Planner in a recommended sequence. However, this can be amended depending on unit availability, prerequisite requirements, and the semester in which you commenced your course. Changes to this planner may extend the duration of your course.

Please check the prerequisite information for each unit and list of suggested Elective units from [BSc \(Biotechnology\) program](#) website.

Year One

Semester 1	Feb/Mar 2021		
Unit Code	Unit Name		Pre-Requisite
BIO10001	Concepts of Biology		Nil
CHE10001	Chemistry 1		VCE 3 and 4 Chemistry or equivalent
STA10003	Foundations of Statistics		Nil
PHY10001	Energy and Motion		Nil
Semester 2	Aug/Sep 2021		
Unit Code	Unit Name		Pre-Requisite
NPS10001	Introduction to e-Science		Nil
MTH10010	Essential Mathematics		MTH00007 or MTH00004 or VCE Maths or equivalent
BIO10003	Concepts of Biotechnology		Nil
CHE10005	Consumer Chemistry		CHE10001 or CEE20005 or equivalent

Year Two

Semester 3	Feb/Mar 2022		
Unit Code	Unit Name		Pre-Requisite
BCH20002	Introduction to Biochemistry		BIO10001 and CHE10001
BIO20002	The Microbial World		BIO10001
HES2210	Industrial Microbiology		BIO20002 (or as Co-Requisite)
PEH20002	Food Science		CHE10001 or CEE20005 or equivalent
Semester 4	Aug/Sep 2022		
Unit Code	Unit Name		Pre-Requisite
NPS20005	Communication for Scientists		100 credit points of study
BCH20001	Biochemistry of Genes and Proteins		CHE10001 or CEE20005 and BCH20002
BIO30005	Microbes in the Environment		BIO10001
PEH20006	Water Science		CHE10001 or CEE20005 or equivalent

Year Three

Semester 5	Feb/Mar 2023		
Unit Code	Unit Name		Pre-Requisite
BCH30003	Advanced Biochemistry		BCH20002 and BCH20001
BIO30009	Application of Bioinformatics		BCH20002 and BCH20001
NPS30002	Research Skills in Science		150 credit points of study
ENV30001	Environmental Biology		CHE10001 or CEE20005 and BIO10001, and any of these: CHE10002, BIO20002, BCH20002
Semester 6	Aug/Sep 2023		
Unit Code	Unit Name		Pre-Requisite
NPS30003	Grand Challenges in Science		200 credit points of study
BIO30004	Molecular Biotechnology		BCH20002 and BCH20001
HES2205	Aquatic Biotechnology		150 credit points of study
PEH20004	Built and Sustainable Communities		Nil

How to use your Program Planner

Refer to the below table to help explain what units are required each semester throughout your course. The units in your planner are colour coded to assist you with mapping out your studies.

Program Information

Bachelor of Science

300 Credit Points

Core Units

100 Credit Points

A set of compulsory units you MUST complete as part of your program.

Major Units

100 Credit Points

A structured set of compulsory units in a field of study specific to your course.

Elective Units

100 Credit Points

A standalone unit from any study area and as per recommended in your course. Students can consult their Discipline Leader for alternative Elective selections.

All commencing students of Master, Degree, Diploma and Foundation programs will be automatically registered for the Academic Integrity Training Module in the first semester (Note: Students articulating from Foundation Studies are expected to undertake this unit as a refresher). There are 4 topics in this online module that are recommended for completion during Week 1-4 of your commencing study period. At the end of this module, students are required to complete a quiz comprised of 10 questions and achieve a score of at least 90%.

Ministry of Education requires that all NEW Cohorts pursuing Degree program (International and Malaysian) students must take the MPU units as a pre-requisite for the award of their degree.

- Malaysian students: Must take and pass the units as a prerequisite for the award of their degree
- International students: Must attempt all coursework and final exam as a prerequisite for the award of their degree.