

**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 2020		
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 2020		
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 2021		
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 2021		
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 2022		
Unit Code	Unit Name	Pre-Requisite	
NPS30002	Research Skills in Science	150 credit points of study	
BCH30003	Advanced Biochemistry	BCH20002 and BCH20001	
HES3405	Natural Products	150 credit points of study	
ENV30001	Environmental Biology	CHE10001 or CEE20005 and BIO10001, and any of these: CHE10002, BIO20002, BCH20002	
Semester 6	Aug/Sep 2022		
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.