

COURSE PLANNER

Bachelor of Science (Biotechnology)

BA-SCIBIO3



Semester 1 2022 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 2022 | |
|------------|---------------------------|---|
| 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 2022 | |
| 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 2024 | |
|------------|-----------------------------------|---|
| 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 2024 | |
| 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 Course 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.

Course Information

Bachelor of Science

300 Credit Points

Core Units

100 Credit Points

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

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 courses 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 course (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.