

# PROGRAM PLAN

## DIPLOMA IN SCIENCE

**PROGRAM OPTION:**  
Full-time and Part-time

**START DATE:**  
Semester 1, 2022

**LOCATION:**  
Callaghan, Ourimbah

This Program Plan is an enrolment guide to ensure you are on track to graduate. If at any time you wish to vary from this program plan seek advice from your Program Advisor to ensure you remain on track.

 [PROGRAM HANDBOOK](#)

 [COURSE HANDBOOK](#)

**NAME:**

**STUDENT NO.:**

### Full Time Option

YEAR 1	SEMESTER 1	FNSC1003 Academic Survival Skills for STEM	DIRECTED A	DIRECTED B	DIRECTED DISCIPLINE	SEMESTER 2	FNLT1008 Research in Action	STAT1070 Statistics for the Sciences	DIRECTED C	DIRECTED DISCIPLINE
		CORE	DIRECTED	DIRECTED	DIRECTED		CORE	CORE	DIRECTED	DIRECTED

### Part Time Option

YEAR 1	SEMESTER 1	FNSC1003 Academic Survival Skills for STEM	DIRECTED A	SEMESTER 2	FNLT1008 Research in Action	STAT1070 Statistics for the Sciences
		CORE	DIRECTED		CORE	CORE
YEAR 2	SEMESTER 1	DIRECTED B	DIRECTED DISCIPLINE	SEMESTER 2	DIRECTED C	DIRECTED DISCIPLINE
		DIRECTED	DIRECTED		DIRECTED	DIRECTED

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## DIPLOMA IN SCIENCE

To be eligible to graduate make sure you have completed 80 units (10 units = 1 course unless otherwise specified) which meet the following criteria:

To satisfy the requirements for the Diploma in Science program you must complete:

- Core Courses – 30 units
- Directed Courses – 50 units
  - Directed Courses A – 10 units
  - Directed Courses B – 10 units
  - Directed Courses C – 10 units
  - Directed Courses Discipline – 20 units
- The duration of this program is 1 year full-time (40 units per semester) or part-time equivalent.
- The maximum time to complete this program is 4 years.



Some courses have assumed knowledge and/or requisites, please refer to the individual [Course Handbook](#). Please refer to the [Program Handbook](#) for specific information on program structure. If you are intending varying from this program plan please seek advice from your [Student Liaison Officer](#).

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## DIPLOMA IN SCIENCE

### DIRECTED A COURSES

Complete 10 units from the following directed courses

BTEC1000	Introduction to the Biotechnology Sector
HUBS1401	Human Bioscience
SCIE1001	Professional Scientific Thinking

### DIRECTED B COURSES

Complete 10 units from the following directed courses

FSHN1020	Introduction to Nutrition Science and Applications
PHYS1200	Introductory Physics for the Life Sciences
SCIE1002	Multidisciplinary Laboratories

### DIRECTED C COURSES

Complete 10 units from the following directed courses

MATH1001	Preparatory Studies in Mathematics
MATH1002	Foundation Studies in Mathematics

### DIRECTED DISCIPLINE COURSES

Complete 20 units from one of the following disciplines

#### BIODIVERSITY AND CONSERVATION

ENVS1001	Environmental Science Concepts and Methods
ENVS1003	Environmental Values and Ethics

#### BIOLOGICAL SCIENCES

BIOL1001	Molecules, Cells and Organisms
BIOL1002	Organisms to Ecosystems

#### BIOTECHNOLOGY

BIOL1001	Molecules, Cells and Organisms
BIOL1002	Organisms to Ecosystems
BIOL1003	Professional Skills for Biological Sciences 1
BTEC1000	Introduction to the Biotechnology Sector

#### CHEMISTRY

Complete [CHEM1010 and CHEM1020] or [CHEM1110 and CHEM1120]

CHEM1010	Introductory Chemistry I
CHEM1020	Introductory Chemistry II
CHEM1110	Chemistry for the Life Sciences I
CHEM1120	Chemistry for the Life Sciences II

#### EARTH SCIENCE

GEOS1040	Earth: The Dynamic Planet
GEOS1050	Earth Processes and Products

#### FOOD SCIENCE

Complete [CHEM1110 and CHEM1120] or [CHEM1110 and FSHN1010]

CHEM1110	Chemistry for the Life Sciences I
CHEM1120	Chemistry for the Life Sciences II
FSHN1010	Introduction to Food Science and Technology

#### GEOGRAPHY

GEOG1020	Introduction to Human Geography
GEOS1040	Earth: The Dynamic Planet

#### PSYCHOLOGY

PSYC1010	Psychology Introduction 1
PSYC1020	Psychology Introduction 2

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## DIPLOMA IN SCIENCE

### How do I know which directed courses to choose?

Which directed courses you should complete depends on which Bachelor program you are planning to enrol in:

Bachelor of Biotechnology Recommended Courses	Bachelor of Food Science and Human Nutrition Recommended Courses
<p><b>Directed A Courses</b> Complete the following course BTEC1000 Introduction to the Biotechnology Sector</p> <p><b>Directed B Courses</b> Complete the following course PHYS1200 Introductory Physics for the Life Sciences</p> <p><b>Directed C Courses</b> Complete 10 units from the following courses MATH1001 Preparatory Studies in Mathematics MATH1002 Foundation Studies in Mathematics</p> <p><b>Directed Discipline Courses</b> Complete the following courses BIOL1001 Molecules, Cells and Organisms BIOL1002 Organisms to Ecosystems BIOL1003 Professional Skills for Biological Sciences 1 BTEC1000 Introduction to the Biotechnology Sector</p>	<p><b>Directed A Courses</b> Complete the following course HUBS1401 Human Bioscience</p> <p><b>Directed B Courses</b> Complete the following course FSHN1020 Introduction to Nutrition Science and Applications</p> <p><b>Directed C Courses</b> Complete the following course MATH1001 Preparatory Studies in Mathematics</p> <p><b>Directed Discipline Courses</b> Complete 20 units from [CHEM1110 and CHEM1120] or [CHEM1110 and FSHN1010] CHEM1110 Chemistry for the Life Sciences I CHEM1120 Chemistry for the Life Sciences II FSHN1010 Introduction to Food Science and Technology</p>
Bachelor of Bachelor of Psychological Science Recommended Courses	Bachelor of Science Recommended Courses
<p><b>Directed A Courses</b> Complete the following course SCIE1001 Professional Scientific Thinking</p> <p><b>Directed B Courses</b> Complete the following course SCIE1002 Multidisciplinary Laboratories</p> <p><b>Directed C Courses</b> Complete 10 units from the following courses MATH1001 Preparatory Studies in Mathematics MATH1002 Foundation Studies in Mathematics</p> <p><b>Directed Discipline Courses</b> Complete the following courses PSYC1010 Psychology Introduction 1 PSYC1020 Psychology Introduction 2</p>	<p><b>Directed A Courses</b> Complete the following course SCIE1001 Professional Scientific Thinking</p> <p><b>Directed B Courses</b> Complete the following course SCIE1002 Multidisciplinary Laboratories</p> <p><b>Directed C Courses</b> Complete 10 units from the following courses MATH1001 Preparatory Studies in Mathematics MATH1002 Foundation Studies in Mathematics</p> <p><b>Directed Discipline Courses</b> Complete 20 units from one of the below discipline groupings depending on which major you plan to complete in the Bachelor of Science</p> <p>Biodiversity and Conservation      Earth Science Biological Sciences                      Geography Chemistry                                      Psychology</p>

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## DIPLOMA IN SCIENCE

### How do I know how much credit I will receive if I enrol in the Bachelor of Biotechnology, Bachelor of Food Science and Human Nutrition, Bachelor of Psychological Science, or Bachelor of Science?

The maximum amount of credit you can receive is 80 units into the Bachelor of Biotechnology, Bachelor of Food Science and Human Nutrition, Bachelor of Psychological Science, or Bachelor of Science. However, whether you are eligible to receive the maximum amount of credit will depend on which directed courses you choose to complete. The above table explains which directed courses to choose depending on which program you intend to enrol in.

If you do not yet know which program you want to enrol in, you should complete directed courses that interest you, however please keep in mind that you may not be able to receive the maximum amount of credit.