

## **Bachelor of Science -** BA-SC2 Applied Mathematics Major *Semester 2 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.

## Year One

Semester 2	
MTH00007 Preliminary Mathematics or MTH10012 Calculus and Applications or STA10003 Foundations of Statistics	+12.5
MTH00010 Essential Mathematics or MTH10012 Calculus and Applications or MTH10013 Linear Algebra	+12.5
NPS10003 Sustainability Challenges in Science	+12.5
PHY10001 Energy and Motion or PHY10002 Introduction to Physics	+12.5

## Year Two

Semester 1		Semester 2	
<b>BIO10001</b> Concepts in Biology	+12.5	NPS20011 Societal Challenges in Science	+12.5
CHE10001 Chemistry 1 or CHE10004 Introduction to Chemistry	+12.5	MTH20012 Series and Transforms	+12.5
MTH20014 Mathematics 3B	+12.5	MTH20016 Quantitative Prediction	+12.5
MTH20015 Modelling Nature's Non-Linearity	+12.5	Elective	+12.5

## Optional

**Professional Placement** \_You can choose to add an additional 6 month or 1 year placement to your course. The maximum credit points to complete your course will be increased to accommodate



# How to use your course planner

The units in your planner are colour coded to assist you with mapping out your studies. Refer to the boxes below for an overview of your course requirements.

## **Course Information**

Course 300 Credit Points

#### Core units

100 Credit points

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

### First Major units

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

#### **Elective units** 100 Credit point

A combination of elective units, or a Second Major, Co-Major, or a Minor.

#### Work Integrated Learning

A Professional Placement is a Work Integrated Learning (WIL) option. You can apply for a Professional Placement during your second year. More information on Professional Placement and other WIL options at **Work Integrated Learning** 

#### FAQs

How can I find more information about my course Visit <u>Bachelor of Science</u> for major options.

Where can I find out more about individual unit information? Visit the <u>Single Unit Search</u> page to search for additional unit content.

What's a full-time study load? 100 credit points (8 units per year)

the Professional Placement

## Year Three

Semester 1	Semester 2		
MTH30002 Differential Equations	+12.5	MTH30001 Stochastic Modelling	+12.5
MTH30006 Optimisation	+12.5	MTH30003 Numerical and Computational Mathematics	+12.5
Elective	+12.5	Elective	+12.5
Elective	+12.5	Elective	+12.5

## Year Four

Semester 1	
NPS30004 Grand Challenges in Science	+12.5
Elective	+12.5
Elective	+12.5
Elective	+12.5

What's a part-time study load? 50 credit points (4 units per year)

How can I plan my timetable? Check the <u>University Timetable</u> <u>Planner</u> before enrolling into units.

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