

Bachelor of Science (Professional) - BA-SC2PROF Applied Mathematics Major

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 1		Semester 2	
MTH0007 Preliminary Mathematics or STA10003 Foundation Statistics or MTH10012 Calculus and Applications	+12.5	MTH00010 Essential Mathematics or MTH10012 Calculus and Applications or MTH10013 Linear Algebra	+12.5
CHE10001 Chemistry 1 or CHE10004 Introduction to Chemistry	+12.5	NPS10003 Sustainability Challenges in Science	+12.5
PHY10001 Energy and Motion or PHY10002 Introduction to Physics	+12.5	Elective	+12.5
BIO10001 Concepts in Biology	+12.5	Elective	+12.5

Year Two

Semester 1		Semester 2	
MTH20014 Mathematics 3B	+12.5	NPS20011 Societal Challenges in Science	+12.5
MTH20015 Modelling Nature's Non-Linearity	+12.5	MTH30006 Optimisation	+12.5
Elective	+12.5	MTH20012 Series and Transforms	+12.5
Elective	+12.5	MTH30002 Differential Equations	+12.5

Year Three

Semester 1		Semester 2	
NPS20003 Integrated Professional Placement A - Science	+25	NPS20004 Integrated Professional Placement B - Science	+25
WEI20001 Work Experience in Industry A	+25	WEI20002 Work Experience in Industry B	+25

Year Four

Semester 1		Semester 2	
NPS30004 Grand Challenges in Science	+12.5	MTH20016 Quantitative Prediction	+12.5
Elective	+12.5	MTH30001 Stochastic Modelling	+12.5
Elective	+12.5	MTH30003 Numerical and Computational Mathematics	+12.5

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 375 Credit Points

Core units
100 Credit points

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

First Major units
100 Credit points

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

Elective units
75 Credit points

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

Work Integrated Learning
100 Credit points

A paid Professional Placement for 12 months. More information on Professional Placement and other WIL options at [Work Integrated Learning](#)

FAQs

How can I find more information about my course

Visit [Bachelor of Science \(Professional\)](#) for major options.

Where can I find out more about individual unit information?

Visit the [Single Unit Search](#) page to search for additional unit content.

What's a full-time study load?

100 credit points (8 units per year)

What's a part-time study load?

50 credit points (4 units per year)

How can I plan my timetable?

Check the [University Timetable Planner](#) before enrolling into units.

