

Course enrolment planner

Bachelor of Science (Professional) - BA-SC2PROF

Physics 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	
MTH0007 Preliminary Mathematics or STA1003 Foundation Statistics or MTH1002 Calculus and Applications	+12.5
NPS1003 Sustainability Challenges in Science	+12.5
AST1001 Discovering the Universe	+12.5
PHY1004 Electronics and Electromagnetism	+12.5

Year Two

Semester 1	Semester 2	
MTH0010 Essential Mathematics or MTH1002 Calculus and Applications or MTH1003 Linear Algebra	+12.5	NPS2001 Societal Challenges in Science +12.5
CHE1001 Chemistry 1 or CHE1004 Introduction to Chemistry	+12.5	PHY2008 Classical Mechanics and Electromagnetism +12.5
PHY1001 Energy and Motion or PHY1002 Introduction to Physics	+12.5	PHY3005 Physics Research Laboratories +12.5
BIO1001 Concepts in Biology	+12.5	Elective +12.5

Year Three

Semester 1	Semester 2	
NPS2003 Integrated Professional Placement A - Science	+25	NPS2004 Integrated Professional Placement B - Science +25
WEI2001 Work Experience in Industry A	+25	WEI2002 Work Experience in Industry B +25

Year Four

Semester 1	Semester 2	
PHY2004 Modern Optics	+12.5	PHY3004 Quantum and Optical Physics +12.5
PHY2007 Quantum Mechanics and Solid State Physics	+12.5	Elective +12.5
Elective	+12.5	Elective +12.5
Elective	+12.5	Elective +12.5

Year Five

Semester 1			
NPS3004 Grand Challenges in Science	+12.5		
PHY3003 Thermal Physics and Statistical Mechanics	+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.

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