

Course enrolment planner

Bachelor of Engineering (Honours)/Bachelor of Science BB-ENGSC1 Robotics and Mechatronics 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		Semester 1	
COS10009 Introduction to Programming	+12.5	BIO10001 Concepts of Biology	+12.5
ENG10001 Engineering Design and innovation	+12.5	ENG10002 Engineering Materials	+12.5
MTH10012 Calculus and Applications	+12.5	ENG10003 Engineering Mechanics	+12.5
PHY10001 Energy and Motion	+12.5	MTH10013 Linear Algebra and Applications	+12.5

Year Two

Semester 2		Semester 1	
COS10025 Technology in an Indigenous Context Project	+12.5	CHE10001 Chemistry 1 OR CHE10004 Introduction to Chemistry	+12.5
ENG20010 Engineering Technology Design Project	+12.5	COS20007 Object Oriented Programming	+12.5
MEE20004 Structural Mechanics	+12.5	EEE20006 Circuits & Electronics 1	+12.5
MEE20006 Engineering Dynamics	+12.5	ENG20009 Engineering Technology Inquiry Project	+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 the Professional Placement	+37.5- +100
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Year Three

Semester 2		Semester 1	
TNE20003 Internet and Cybersecurity for Engineering Applications	+12.5	MTH20017 Mathematical Methods and Statistics for Engineering	+12.5
Science Major Unit	+12.5	ENG30002 Engineering Technology Sustainability Project	+12.5
Science Major Unit	+12.5	MEE20007 Design and Product Visualisation Project	+12.5
Science Major Unit	+12.5	MEE30005 Machine Design Project	+12.5

Year Four

Semester 2		Semester 1	
NPS20011 Societal Challenges in Science	+12.5	NPS30004 Grand Challenges in Science	+12.5
EEE40017 Machine Vision	+12.5	RME30002 Control and Automation	+12.5
ENG40011 Engineering Technology Innovation Project	+12.5	RME40003 Robot Systems Design	+12.5
Science Major Unit	+12.5	TNE30024 Deploying Secure Engineering Applications Online	+12.5

Year Five

Semester 2		Semester 1	
ENG40007 Engineering Technology Project A	+12.5	ENG40008 Engineering Technology Project B	+12.5
RME30003 Robotic Control	+12.5	Science Major Unit	+12.5
RME40002 Mechatronics Systems Design	+12.5	Science Major Unit	+12.5
Science Major Unit	+12.5	Science Major Unit	+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 500 Credit Points

Core units
175 Credit points

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

First Major units
225 Credit points

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

Bachelor of Science Major
100 Credit points

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

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 **Bachelor of Engineering (Honours)/Bachelor of Science**

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.

