

Course enrolment planner

Bachelor of Engineering (Honours)/Bachelor of Science Robotics and Mechatronics major **BB-ENGSC1**

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	
COS10009 Introduction to Programming	+12.5	COS10025 Technology in an Indigenous Context Project	+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 1		Semester 2	
BIO10001 Concepts of Biology	+12.5	CHE10001 Chemistry 1 OR	+12.5
		CHE10004 Introduction to Chemistry	
COS20007 Object Oriented Programming	+12.5	ENG20010 Engineering Technology Design Project	+12.5
EEE20006 Circuits & Electronics 1	+12.5	MEE20004 Structural Mechanics	+12.5
ENG20009 Engineering Technology Inquiry Project	+12.5	MEE20006 Engineering Dynamics	+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

+100

+37.5-

Year Three

Semester 1		Semester 2	
ENG30002 Engineering Technology Sustainability Project	+12.5	NPS20011 Societal Challenges in Science	+12.5
MEE20007 Design and Product Visualisation Project	+12.5	EEE40017 Machine Vision	+12.5
MTH20017 Mathematical Methods and Statistics for Engineering	+12.5	TNE20003 Internet and Cybersecurity for Engineering Applications	+12.5
Science Major Unit	+12.5	Science Major Unit	+12.5
EAT20008 Professional Experience in Engineering	+0		

Year Four

Semester 1

NPS30004 Grand Challenges in Science	+12.5	ENG40011 Engineering Technology Innovation Project	+12.5	
MEE30005 Machine Design Project	+12.5	RME30003 Robotic Control	+12.5	
RME30002 Control and Automation	+12.5	RME40002 Mechatronics Systems Design	+12.5	
Science Major Unit	+12.5	TNE30024 Deploying Secure Engineering Apllications Online	+12.5	
Year Five				

Semester 2

ENG40008

Semester 2

Semester 1

ENG40007

Engineering Technology Project A	+12.5	Engineering Technology Project B	+12.5
Science Major Unit	+12.5	RME40003 Robot Systems Design	+12.5
Science Major Unit	+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

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

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**

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.

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