

## Course enrolment planner

# Bachelor of Engineering (Honours) / Bachelor of Arts BB-ENGART

# Robotics & Mechatronics 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	
ENG10001 Engineering Design and Innovation	+12.5	COS10009 Introduction to Programming	+12.5
ENG10002 Engineering Materials	+12.5	COS10025 Technology in an Indigenous Context Project	+12.5
MTH00007* Preliminary Mathematics	+12.5	ENG10003 Engineering Mechanics	+12.5
PHY10001 Energy and Motion	+12.5	MTH10013 Linear Algebra and Applications	+12.5

<sup>\*</sup> Students who have completed VCE Mathematics Methods or Specialist Mathematics or equivalent are highly encouraged to complete MTH00007 Preliminary Mathematics as per their course plan. However, students may exercise the option of applying for a preclusion of this unit to do an elective unit instead. Students can do so via using the enrolment  $amendment\ form\ found\ \underline{here}\ and\ ensuring\ evidence\ of\ completion\ of\ VCE\ Mathematics$ Methods or Specialist Mathematics or equivalent is included in the application. Mathematics or equivalent is included in the application.

#### Year Two

Semester 1		Semester 2	
MTH10012 Calculus and Applications	+12.5	<b>ENG20010</b> Engineering Technology Design Project	+12.5
EEE20006 Circuits and Electronics 1	+12.5	MEE20004 Structural Mechanics	+12.5
ENG20009 Engineering Tech Inquiry Project	+12.5	MEE20006 Engineering Dynamics	+12.5
MEE20007 Design and Product Visualisation Project	+12.5	TNE20003 Internet and Cybersecurity for Engineering Applications	+12.5

## Year Three

Semester 1		Semester 2	
COS20007 Object Oriented Programming	+12.5	<b>EEE40017</b> Machine Vision	+12.5
ENG30002 Engineering Technology Sustainability Project	+12.5	ENG40011 Engineering Technology Innovation Project	+12.5
MTH20017 Mathematical Methods and Statistics for Engineering	+12.5	RME30003 Robotic Control	+12.5
RME30002 Control and Automation	+12.5	RME40002 Mechatronics Systems Design	+12.5
Control and	+12.5	Mechatronics Systems	+1

EAT20008 Professional Experience in Engineering	+0

#### 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

**Optional - Professional Placement** 

be increased to accommodate the Professional Placement

+37.5-+100

# Year Four

Semester 1

ART10002 Technology and Society	+12.5	<b>ART20003</b> Skills and Strategies for Social Change	+12.5
TNE30024 Deploying Secure Engineering Applications Online	+12.5	RME40003 Robot Systems Design	+12.5
Arts Major Unit	+12.5	Arts Major Unit	+12.5
Arts Major Unit	+12.5	Arts Major Unit	+12.5
Year Five			

Semester 2

Semester 2

# Semester 1

ART30004 Changemakers in Action	+12.5	<b>ART30005</b> BA Professional Practice	+12.5
ENG40005 Final Year Capstone Project 1	+12.5	ENG40006 Final Year Capstone Project 2	+12.5
Arts Major Unit	+12.5	Arts Major Unit	+12.5
Arts Major Unit	+12.5	Arts 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 187.5 credit points

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

# **Engineering Major**

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 including all Majors Visit **Bachelor of Eng/ Bachelor of** 

<u>Arts</u>

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.

-	-		
	•		٠
•	•		
	•		
	•	•	
	•		

-	-		
•		•	