

# **Bachelor of Engineering (Honours)** - BH-ENG1 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	
ENG10001 Engineering Design and Innovation	+12.5
ENG10003 Engineering Mechanics	+12.5
MTH10012 Calculus and Applications	+12.5
<b>MTH10013</b> Linear Algebra and Applications	+12.5

## Year Two

Semester 1		Semester 2	
<b>COS10009</b> Introduction to Programming	+12.5	ENG10002 Engineering Materials	+12.5
<b>COS10025</b> Technology in an Indigenous Context Project	+12.5	PHY10001 Energy and Motion	+12.5
MEE20004 Structural Mechanics	+12.5	ENG20009 Engineering Technology Inquiry Project	+12.5
MTH20017 Mathematical Methods and Statistics for Engineering	+12.5	Elective	+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

## Year Three

Semester 1		Semester 2	
<b>COS20007</b> Object Oriented Programming	+12.5	<b>ENG30002</b> Engineering Technology Sustainability Project	+12.5
<b>EEE20006</b> Circuits & Electronics 1	+12.5	ENG30004 Machine Vision	+12.5
<b>ENG20010</b> Engineering Technology Design Project	+12.5	MEE20006 Engineering Dynamics	+12.5
TNE20003 Internet and Cybersecurity for Engineering Applications	+12.5	Elective	+12.5
EAT20008 Professional Experience in Engineering	+0		

# 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 400 Credit Points

#### Core units

125 Credit points

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

## **First - Robotics Mechatronics Major** 225 Credit points

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

## **Elective units** 50 Credit point

A combination of elective units, or a Minor.

#### 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 including other Majors and/or Elective units?

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## Year Four

Semester 1		Semester 2	
<b>ENG40011</b> Engineering Technology Innovation Project	+12.5	<b>ENG40007</b> Engineering Technology Project A	+12.5
MEE20002 Computer Aided Engineering Mechanical	+12.5	RME30003 Robotic Control	+12.5
MEE30005 Machine Design Project	+12.5	<b>RME40002</b> Mechatronic Systems Design	+12.5
RME30002 Control and Automation	+12.5	<b>RME40003</b> Robot Systems Design 2	+12.5

## Year Five

#### Semester 1

<b>ENG40008</b> Engineering Technology Project B	+12.5
<b>TNE30024</b> Deploying Secure Engineering Applications Online	+12.5
Elective	+12.5
Elective	+12.5

(Honours)

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 <u>University Timetable</u> <u>Planner</u> before enrolling into units.

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