Course enrolment planner

# Bachelor of Engineering (Honours)
# Robotics and Mechatronics Major BH-ENG1

## 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

| Your First Semester | | Your Second Semester | |
|---|---|---|---|
| COS10009 Introduction to Programming | +12.5 | COS10025 Technology in an Indigenous Context Project | +12.5 |
| ENG10001 Humanitarian Engineering Design Project | +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

| Your First Semester | | Your Second Semester | |
|---|---|---|---|
| EEE20006 Circuits and Electronics 1 | +12.5 | COS20007 Object Oriented Programming | +12.5 |
| ENG20009 Engineering Tech Inquiry Project | +12.5 | ENG20010 Engineering Technology Design Project | +12.5 |
| MEE20007 Design and Product Visualisation Projectl | +12.5 | MEE20004 Structural Mechanics | +12.5 |
| MTH20017 Mathematical Methods and Statistics for Engineering | +12.5 | TNE20003 Internet and Cybersecurity for Engineering Applications | +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 |

### Year Three

| Your First Semester | | Your Second Semester | |
|---|---|---|---|
| ENG30002 Engineering Technology Sustainability Project | +12.5 | EEE40017 Machine Vision | +12.5 |
| MEE20006 Engineering Dynamics | +12.5 | ENG40011 Engineering Technology Innovation Project | +12.5 |
| RME30002 Control and Automation | +12.5 | RME30003 Robotic Control | +12.5 |
| TNE30024 Deploying Secure Engineering Applications Online | +12.5 | Elective | +12.5 |
| EAT20008 Professional Experience in Engineering | +0 | | |

### Year Four

| Your First Semester | | Your Second Semester | |
|---|---|---|---|
| ENG40007 Engineering Technology Project A | +12.5 | ENG40008 Engineering Technology Project B | +12.5 |
| MEE30005 Machine Design Project | +12.5 | RME40003 Robot Systems Design | +12.5 |
| RME40002 Mechatronics Systems Design | +12.5 | Elective | +12.5 |
| Elective | +12.5 | Elective | +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 400 Credit Points

**Core units**
125 Credit points

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

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

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

**Elective units**
50 Credit points

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?**

Visit **Bachelor of Engineering (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 **University Timetable Planner** before enrolling into units.