

## Course enrolment planner

## Bachelor of Engineering (Honours) Mechanical 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

	1		
Your First Semester		Your Second Semester	
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

Your First Semester		Your Second Semester	
MEE20001 Thermodynamics	+12.5	MEE20004 Structural Mechanics	+12.5
MEE20003 Fluid Mechanics 1: Forces and Energy	+12.5	MEE20005 Materials Processing and Machining	+12.5
MEE20007 Design and Product Visualisation Project	+12.5	MEE20006 Engineering Dynamics	+12.5
MTH20010 Statistics and Computation for Engineering	+12.5	MME30002 Engineering Management 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

+100

+37.5-

## Year Three

Your First Semester		Your Second Semester	
MEE20008 Vibration and Signal Analysis	+12.5	MEE30004 Solid Mechanics	+12.5
MEE30001 Manufacturing Engineering	+12.5	MEE40001 Heat Transfer	+12.5
MEE30002 Control Engineering	+12.5	MEE40010 Integrated Engineering Design Project	+12.5
MEE30005 Machine Design Project	+12.5	Elective	+12.5
EAT20008 Professional Experience in Engineering	+0		

Your First Semester

Year Four

<b>ENG40005</b> Final Year Capstone Project 1	+12.5	<b>ENG40006</b> Final Year Capstone Project 2	+12.5
MEE40003 Machine Dynamics	+12.5	MEE40004 Fluid Mechanics 2: Machine, Supersonics and Modelling	+12.5
Elective	+12.5	MEE40011 Renewable Energy and Hydrogen Technologies	+12.5
Elective	+12.5	Elective	+12.5

Your Second Semester

## 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 - Mechanical Major

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

## **Elective units**

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?

search for additional unit content. What's a full-time study load?

100 credit points (8 units per year)

Visit the **Single Unit Search** page to

What's a part-time study load? 50 credit points (4 units per year)

How can I plan my timetable? Check the **University Timetable** <u>Planner</u> before enrolling into units.