

## Course enrolment planner

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

## Mechanical 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

\* 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 <a href="https://exercises.org/legs/nc/4">https://exercises.org/legs/nc/4</a> 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	MEE20004 Structural Mechanics	+12.5
MEE20001 Thermodynamics	+12.5	MEE20005 Materials Processing and Machining	+12.5
MEE20003 Fluid Mechanics 1: Forces and Energy	+12.5	MEE20006 Engineering Dynamics	+12.5
MEE20007 Design and Product Visualisation Project	+12.5	MME30002 Engineering Management Project	+12.5

## Year Three

Semester 1		Semester 2	
MEE20008 Vibration and Signal Analysis	+12.5	MEE30004 Solid Mechanics	+12.5
MEE30001 Manufacturing Engineering	+12.5	<b>MEE40001</b> Heat Transfer	+12.5
MEE30002 Control Engineering	+12.5	MEE40010 Integrated Engineering Design Project	+12.5
MEE30005 Machine Design Project	+12.5	Arts Major Unit	+12.5

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 be increased to accommodate the Professional Placement

**Optional - Professional Placement** 

be increased to accommodate the Professional Placement

+37.5-+100

## Year Four

Semester 1

EAT20008

ART10002 Technology and Society	+12.5	<b>ART20003</b> Skills and Strategies for Social Change	+12.5
MEE40003 Machine Dynamics	+12.5	MEE40004 Fluid Mechanics 2: Machine, Supersonics and Modelling	+12.5
MEE40011 Renewable Energy and Hydrogen Technologies	+12.5	Arts Major Unit	+12.5
Arts Major Unit	+12.5	Arts Major Unit	+12.5

Semester 2

Semester 2

## Semester 1

Year Five

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

**MUST** complete as part of your Course.

#### Engineering Major 212.5 Credit points

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

Arts Major units

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** 

#### FAQs How

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

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+ = Credit points

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