

# Bachelor of Engineering (Honours)/Bachelor of Science

## **BB-ENGSC1**

## Mechanical 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

		+12.5
		+12.5
S	S	+12.5
		+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	
BIO10001 Concepts of Biology	+12.5	COS10025 Technology in an Indigenous Context Project	+12.5
ENG10002 Engineering Materials	+12.5	MTH10013 Linear Algebra and Applications	+12.5
ENG10003 Engineering Mechanics	+12.5	MEE20003 Fluid Mechanics 1: Forces and Energy	+12.5
MTH10012 Calculus and Applications	+12.5	MEE20005 Materials Processing and Machining	+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

Semester 1		Semester 2		
CHE10001 Chemistry 1 or CHE10004 Introduction to Chemistry	+12.5	<b>MEE30004</b> Solid Mechanics	+12.5	
MEE20001 Thermodynamics 1	+12.5	MME30002 Engineeing Management Project	+12.5	
MEE20004 Structural Mechanics	+12.5	MEE20006 Engineering Dynamics	+12.5	
MEE20007 Design and Product Visualisation Project	+12.5	Science Major Unit	+12.5	
EAT20008 Professional Experience in Engineering	+0			

# Semester 1

Year Four

MEE20008 Vibration and Signal Analysis	+12.5	<b>MEE40001</b> Heat Transfer	+12.5
MEE30001 Manufacturing Engineering	+12.5	MEE40004 Fluid Mechanics 2: Machine, Supersonics and Modelling	+12.5
MEE30005 Machine Design Project	+12.5	<b>MEE40010</b> Integrated Engineering Design Project	+12.5
Science Major Unit	+12.5	Science Major Unit	+12.5
Year Five			

Semester 2

# Semester 1

MEE30002 Control Engineering	+12.5	<b>ENG40005</b> Final Year Capstone Project 1	+12.5
MEE40003 Machine Dynamics	+12.5	NPS20011 Societal Challenges in Science	+12.5
<b>MEE40011</b> Renewable Energy and Hydrogen Technologies	+12.5	Science Major Unit	+12.5
Science Major Unit	+12.5	Science Major Unit	+12.5
Year Six			

Semester 2

Semester 1	
ENG40006 Final Year Capstone Project 2	+12.5
NPS30004 Grand Challenges in Science	+12.5
Science Major Unit	+12.5
Science 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.

## First Major units

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

Visit **Bachelor of Engineering** (Honours)/Bachelor of Science

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.

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