

Course enrolment planner

Bachelor of Engineering (Honours)/Bachelor of Science BB-ENGSC1 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	
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

Semester 1		Semester 2	
BIO10001 Concepts of Biology	+12.5	CHE10001 Chemistry 1 OR CHE10004 Introduction to Chemistry	+12.5
MEE20001 Thermodynamics 1	+12.5	MEE20003 Fluid Mechanics 1	+12.5
MEE20004 Structural Mechanics	+12.5	MEE20005 Materials and Manufacturing 1	+12.5
MEE20007 Design and Product Visualisation Project	+12.5	MEE20006 Machine Dynamics 1	+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
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Year Three

Semester 1		Semester 2	
MEE20008 Vibration and Signal Analysis	+12.5	NPS20011 Societal Challenges in Science	+12.5
MEE30001 Materials and Manufacturing 2	+12.5	MEE30004 Solid Mechanics	+12.5
MEE30005 Machine Design Project	+12.5	MEE40001 Thermodynamics 2	+12.5
MTH20010 Mathematics 3B	+12.5	MME30002 Engineering Management Project	+12.5
EAT20008 Professional Experience in Engineering	+0		

Year Four

Semester 1		Semester 2	
NPS30004 Grand Challenges in Science	+12.5	MEE40004 Fluid Mechanics 2	+12.5
MEE30002 Control Engineering	+12.5	MEE40010 Integrated Engineering Design Project	+12.5
MEE40003 Machine Dynamics 2	+12.5	Science Major Unit	+12.5
MEE40011 Renewable Energy and Hydrogen Technologies	+12.5	Science Major Unit	+12.5

Year Five

Semester 1		Semester 2	
ENG40005 Final Year Capstone Project 1	+12.5	ENG40006 Final Year Capstone Project 2	+12.5
Science Major Unit	+12.5	Science Major Unit	+12.5
Science Major Unit	+12.5	Science Major Unit	+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
175 Credit points

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

First Major units
225 Credit points

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

Bachelor of Science Major
100 Credit points

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 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.

