

Course enrolment planner

Bachelor of Engineering (Honours)/Bachelor of Science

BB-ENGSC1 Electrical and Electronic 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
EEE20006 Circuits & Electronics 1	+12.5	EEE20005 Electrical Machines	+12.5
ENG20009 Engineering Technology Inquiry Project	+12.5	EEE20013 Power Protection	+12.5
MTH20017 Mathematical Methods and Statistics for Engineering	+12.5	ENG20010 Engineering Technology Design 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	+37.5- +100
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Year Three

Semester 1		Semester 2	
EEE30002 Electrical Power Systems	+12.5	NPS20011 Societal Challenges in Science	+12.5
ENG30002 Engineering Technology Sustainability Project	+12.5	EEE40005 Power Electronics	+12.5
RME30002 Control and Automation	+12.5	TNE20003 Internet and Cybersecurity for Engineering Applications	+12.5
Science Major Unit	+12.5	Science Major Unit	+12.5
EAT20008 Professional Experience in Engineering	+0		

Year Four

Semester 1		Semester 2	
NPS30004 Grand Challenges in Science	+12.5	EEE40007 Power System Operation and Control	+12.5
COS40007 Artificial Intelligence for Engineering	+12.5	EEE40016 Design of Smart Power Grids	+12.5
EEE30006 Hydrogen and Energy Storage	+12.5	ENG40011 Engineering Technology Innovation Project	+12.5
EEE40015 Renewable Energy	+12.5	TNE30024 Deploying Secure Engineering Applications Online	+12.5

Year Five

Semester 1		Semester 2	
ENG40007 Engineering Technology Project A	+12.5	ENG40008 Engineering Technology Project B	+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.

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