

Bachelor of Engineering (Honours) Electrical and Electronic 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

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
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	
EEE20006 Circuits and Electronics 1	+12.5	EEE20005 Electrical Machines	+12.5
ENG20009 Engineering Technology Inquiry Project	+12.5	ENG20010 Engineering Technology Design Project	+12.5
MTH20014 Mathematics 3B	+12.5	TNE20003 Internet and Cybersecurity for Engineering Applications	+12.5
Elective	+12.5	Elective	+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	
EEE30002 Electrical Power Systems	+12.5	EEE20013 Power Protection	+12.5
COS40007 Al for Engineering	+12.5	ENG30002 Engineering Technology Sustainability Project	+12.5
RME30002 Control and Automation	+12.5	EEE40005 Power Electronics	+12.5
Elective	+12.5	TNE30024 Deploying Secure Engineering Applications Online	+12.5
EAT20008 Professional Experience in Engineering	+0		

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 - Electrical and Electronic Major 225 Credit points

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

Elective units 50 Credit point

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?

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Year Four

Semester 1		Semester 2	
ENG40007 Engineering Technology Project A	+12.5	ENG40008 Engineering Technology Project B	+12.5
EEE30006 Hydrogen and Energy Storage	+12.5	EEE40007 Power Systems Operation and Control	+12.5
EEE40015 Renewable Energy	+12.5	ENG40011 Engineering Technology Innovation Project	+12.5
Elective	+12.5	EEE40016 Design of Smart Power Grids	+12.5

(Honours)

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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