Course enrolment planner

Bachelor of Engineering (Honours)/Bachelor of Science

BB-ENGSC1 Electrical and Electronic 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

Semester 2		Semester 1	
COS10009 Introduction to Programming	+12.5	**BIO10001** Concepts of Biology	+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 2		Semester 1	
COS10025 Technology in an Indigenous Context Project	+12.5	**CHE10001** Chemistry 1 OR **CHE10004** Introduction to Chemistry	+12.5
ENG20009 Engineering Technology Inquiry Project	+12.5	**EEE20006** Circuits & Electronics 1	+12.5
TNE20003 Internet and Cybersecurity for Engineering Applications	+12.5	**ENG20010** Engineering Technology Design Project	+12.5
Science Major Unit	+12.5	**MTH20014** Mathematics 3B	+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 2		Semester 1	
EEE20005 Electrical Machines	+12.5	**EEE30002** Electrical Power Systems	+12.5
EEE20013 Power Protection	+12.5	**ENG30002** Engineering Technology Sustainability Project	+12.5
TNE30024 Deploying Secure Engineering Applications Online	+12.5	**RME30002** Control and Automation	+12.5
Science Major Unit	+12.5	Science Major Unit	+12.5
EAT20008 Professional Experience in Engineering	+12.5		

Year Four

Semester 2		Semester 1	
EEE30006 Hydrogen and Energy Storage	+12.5	**COS40007** Artificial Intelligence for Engineering	+12.5
EEE40005 Power Electronics	+12.5	Science Major Unit	+12.5
EEE40007 Power System Operation and Control	+12.5	Science Major Unit	+12.5
ENG40011 Engineering Technology Innovation Project	+12.5	Science Major Unit	+12.5

Year Five

Semester 2		Semester 2	
ENG40005 Final Year Capstone Project 1	+12.5	**ENG40006** Final Year Capstone Project 2	+12.5
NPS20011 Societal Challenges in Science	+12.5	**NPS30004** Grand Challenges in Science	+12.5
EEE40015 Renewable Energy	+12.5	Science Major Unit	+12.5
EEE40016 Design of Smart Power Grids	+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.