

Bachelor of Engineering (Honours)/Bachelor of ScienceBB-ENGSC1Software majorSemester 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
COS20019 Cloud Computing Architecture	+12.5	COS20007 Object Oriented Programming	+12.5
ENG20010 Engineering Technology Design Project	+12.5	ENG20009 Engineering Technology Inquiry Project	+12.5
TNE20003 Internet and Cybersecurity for Engineering Applications	+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



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

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 <u>Single Unit Search</u> page to search for additional unit content.

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Year Three

Semester 2		Semester 1	
COS30017 Software Development for Mobile Devices	+12.5	COS30008 Data Structures and Patterns	+12.5
TNE30024 Deploying Secure Engineering Applications Online	+12.5	COS30019 Introduction to Artificial Intelligence	+12.5
Science Major Unit	+12.5	COS30043 Interface Design and Development	+12.5
Science Major Unit	+12.5	ENG30002 Engineering Technology Sustainability Proejct	+12.5

Year Four

Semester 2		Semester 1	
ENG40011 Engineering Technology Innovation Project	+12.5	COS40003 Concurrent Programming	+12.5
SWE30009 Software Testing and Reliability	+12.5	COS40007 Artificial Intelligence for Engineering	+12.5
Science Major Unit	+12.5	SWE30003 Software Architectures and Design	+12.5
Science Major Unit	+12.5	Science Major Unit	+12.5

Year Five

Semester 2		Semester 1	
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
SWE40006 Software Deployment and Evolution	+12.5	Science Major Unit	+12.5
Science Major Unit	+12.5	Science Major Unit	+12.5

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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