

Bachelor of Engineering (Honours)/Bachelor of Science BB-ENGSC1 Software 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
COS20007 Object Oriented Programming	+12.5	COS20019 Cloud Computing Architecture	+12.5
ENG20009 Engineering Technology Inquiry Project	+12.5	ENG20010 Engineering Technology Design Project	+12.5
MTH20017 Mathematical Methods and Statistics for Engineering	+12.5	TNE20003 Internet and Cybersecurity for Engineering Applications	+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	
COS30008 Data Structures and Patterns	+12.5	NPS20011 Societal Challenges in Science	+12.5
COS30019 Introduction to Artificial Intelligence	+12.5	COS30017 Software Development for Mobile Devices	+12.5
COS30043 Interface Design and Development	+12.5	ENG30002 Engineering Technology Sustainability Project	+12.5
SWE30003 Software Architectures and Design	+12.5	TNE30024 Deploying Secure Engineering Applications Online	+12.5
EAT20008 Professional Experience in Engineering	+0		

Year Four

Semester 1		Semester 2	
NPS30004 Grand Challenges in Science	+12.5	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	SWE40006 Software Deployment and Evolution	+12.5
Science Major Unit	+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.

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