Course enrolment planner

Bachelor of Engineering (Honours)/Bachelor of Science
BB-ENGSC1
Robotics and Mechatronics 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
MTH00007* Preliminary Mathematics	+12.5	**ENG10003** Engineering Mechanics	+12.5
PHY10001 Energy and Motion	+12.5	**MTH10013** Linear Algebra and Applications	+12.5

** Students who have completed VCE Mathematics Methods or Specialist Mathematics or equivalent are highly encouraged to complete MTH00007 Preliminary Mathematics as per their course plan. However, students may exercise the option of applying for a preclusion of this unit to do an elective unit instead. Students can do so via using the enrolment amendment form found here and ensuring evidence of completion of VCE Mathematics Methods or Specialist Mathematics or equivalent is included in the application. Mathematics or equivalent is included in the application.*

Year Two

Semester 1		Semester 2	
BIO10001 Concepts of Biology	+12.5	**CHE10001** Chemistry 1 or **CHE10004** Introduction to Chemistry	+12.5
MTH10012 Calculus and Applications	+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

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	
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	**ENG40011** Engineering Technology Innovation Project	+12.5
ENG30002 Engineering Technology Sustainability Project	+12.5	**SWE30009** Software Testing and Reliability	+12.5
EAT20008 Professional Experience in Engineering	+0		

Year Four

Semester 1		Semester 2	
COS40007 Artificial Intelligence for Engineering	+12.5	**NPS30004** Grand Challenges in Science	+12.5
SWE30003 Software Architectures and Design	+12.5	**COS40003** Concurrent Programming	+12.5
TNE30024 Deploying Secure Engineering Applications Online	+12.5	**SWE40006** Software Deployment and Evolution	+12.5
Science Major Unit	+12.5		+12.5

Year Five

Semester 1		Semester 2	
EAT40005 Engineering Technology Project A (ENG/CS)	+12.5	**EAT40006** Engineering Technology Project B (ENG/CS)	+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
187.5 Credit points

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

First Major units
212.5 Credit points

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

Bachelor of Science Major
100 Credit point

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.