

# Bachelor of Engineering (Honours)/Bachelor of Science BB-ENGSC1 Civil 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	
<b>COS10009</b> Introduction to Programming	+12.5	<b>COS10025</b> Technology in an Indigenous Context Project	+12.5
<b>ENG10001</b> Engineering Design and innovation	+12.5	<b>ENG10002</b> Engineering Materials	+12.5
<b>MTH00007*</b> Preliminary Mathematics	+12.5	<b>ENG10003</b> Engineering Mechanics	+12.5
<b>PHY10001</b> Energy and Motion	+12.5	<b>MTH10012</b> Calculus 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	
<b>BIO10001</b> Concepts of Biology	+12.5	<b>CHE10001</b> Chemistry 1 or <b>CHE10004</b> Introduction to Chemistry	+12.5
<b>CVE20001</b> Topographical Engineering	+12.5	<b>CVE20003</b> Design of Concrete Structures	+12.5
<b>CVE20015</b> Digital Engineering Project	+12.5	<b>CVE20005</b> Road Engineering	+12.5
<b>MEE20004</b> Structural Mechanics	+12.5	<b>MEE20003</b> Fluid Mechanics 1: Forces and Energy	+12.5

### Optional

<b>Professional Placement</b> 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	
<b>MTH10013</b> Linear Algebra and Applications	+12.5	<b>NPS20011</b> Societal Challenges in Science	+12.5
<b>CVE30001</b> Urban Water Resources	+12.5	<b>CVE20004</b> Geomechanics	+12.5
<b>CVE30002</b> Design of Steel Structures	+12.5	<b>CVE30005</b> Cost Engineering Project	+12.5
Science Major Unit	+12.5	<b>MME30002</b> Engineering Management Project	+12.5
<b>EAT20008</b> Professional Experience in Engineering	+0		

### Year Four

Semester 1		Semester 2	
<b>NPS30004</b> Grand Challenges in Science	+12.5	<b>CVE40006</b> Infrastructure Design Project	+12.5
<b>CVE30003</b> Transport Engineering	+12.5	<b>CVE40011</b> Engineering Data Analytics and Applications	+12.5
<b>CVE40001</b> Geotechnical Engineering	+12.5	Science Major Unit	+12.5
<b>CVE40010</b> Water Engineering Design Project	+12.5	Science Major Unit	+12.5

### Year Five

Semester 1		Semester 2	
<b>ENG40005</b> Final Year Capstone Project 1	+12.5	<b>ENG40006</b> Final Year Capstone Project 2	+12.5
<b>CVE40002</b> Structural Design of Low Rise Buildings	+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.

