

# Bachelor of Engineering (Honours)/Bachelor of Computer Science

BB-ENGSC1

## Architectural 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>COS10004</b> Computer Systems	+12.5
<b>COS10026</b> Computing Technology Inquiry Project	+12.5	<b>COS10025</b> Technology in an Indigenous Context Project	+12.5
<b>ENG10001</b> Humanitarian Engineering Design Project	+12.5	<b>MTH10012</b> Calculus and Applications	+12.5
<b>MTH00007*</b> Preliminary Mathematics	+12.5	<b>PHY10001</b> Energy and Motion	+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>MTH10013</b> Linear Algebra and Applications	+12.5	<b>COS20007</b> Object Oriented Programming	+12.5
<b>TNE10006</b> Networks and Switching	+12.5	<b>ENG10003</b> Engineering Mechanics	+12.5
<b>ENG10002</b> Engineering Materials	+12.5	Computer Science Major Unit	+12.5
<b>ARC10004</b> Architectural Engineering Studio Project 1	+12.5	Computer Science Major Unit	+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>DDD10006</b> Introductory Design Studio	+12.5	<b>ARC20006</b> Architectural Engineering Studio Project 2	+12.5
<b>MEE20004</b> Structural Mechanics	+12.5	<b>CVE20003</b> Design of Concrete Structures	+12.5
Computer Science Major Unit	+12.5	<b>DIA10005</b> Interior Architecture Communication	+12.5
Computer Science Major Unit	+12.5	<b>DIA20003</b> Interior Architecture Digital Documentation 1	+12.5
<b>EAT20008</b> Professional Experience in Engineering	+0		

### Year Four

Semester 1		Semester 2	
<b>ARC40001</b> Architectural Engineering Major Project 1	+12.5	<b>ARC30004</b> Professional Practice 1: BIM (Building Information Management)	+12.5
<b>CVE20015</b> Digital Engineering Project	+12.5	<b>CVE20004</b> Geomechanics	+12.5
<b>CVE30002</b> Design of Steel Structures	+12.5	<b>MME30002</b> Engineering Management Project	+12.5
Computer Science Major Unit	+12.5	Computer Science Major Unit	+12.5

### Year Five

Semester 1		Semester 2	
<b>EAT40005</b> Engineering Technology Project A	+12.5	<b>EAT40006</b> Engineering Technology Project B	+12.5
<b>CV40001</b> Geotechnical Engineering	+12.5	<b>ARC40002</b> Architectural Engineering Major Project 2	+12.5
<b>CVE40002</b> Structural Design of Low Rise Buildings	+12.5	<b>CVE40006</b> Infrastructure Design Project	+12.5
Computer Science Major Unit	+12.5	Computer 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 Computer 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.

