

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

BB-ENGSC1

Software major

Semester 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 | |
|---|-------|
| COS10009 Introduction to Programming | +12.5 |
| COS10026 Computing Technology Inquiry Project | +12.5 |
| ENG10001 Humanitarian Engineering Design Project | +12.5 |
| MTH00007* Preliminary Mathematics | +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 \underline{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 | |
|--|-------|--|-------|
| COS10004 Computer Systems | +12.5 | COS20007 Object Oriented Programming | +12.5 |
| COS10025 Technology in an Indigenous Context Project | +12.5 | MTH10013 Linear Algebra and Applications | +12.5 |
| MTH10012 Calculus and Applications | +12.5 | Computer Science Major Unit | +12.5 |
| PHY10001 Energy and Motion | +12.5 | Computer Science Major Unit | +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

+100

+37.5-

Year Three

| Semester 1 | | Semester 2 | |
|---|-------|---|-------|
| ENG10002 Engineering Materials | +12.5 | ENG20009 Engineering Technology Inquiry Project | +12.5 |
| ENG10003 Engineering Mechanics | +12.5 | ENG20010 Engineering Technology Design Project | +12.5 |
| TNE10006 Networks and Switching | +12.5 | TNE20003 Internet and Cybersecurity for Engineering Applications | +12.5 |
| Computer Science Major Unit | +12.5 | Computer Science Major Unit | +12.5 |
| EAT20008 Professional Experience in Engineering | +0 | | |
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Semester 1

COS20007

Year Four

| Object Oriented Programming | +12.5 | Software Development for Mobile Devices | +12.5 |
|---|-------|--|-------|
| COS20019 Cloud Computing Architecture | +12.5 | ENG40011 Enginnering Technology Innovation Project | +12.5 |
| ENG30002 Engineering Technology Sustainability Project | +12.5 | SWE30009 Software Testing and Reliability | +12.5 |
| TNE30024 Deploying Secure Engineering Applications Online | +12.5 | Computer Science Major Unit | +12.5 |
| Year Five | | | |

Semester 2

COS30017

Semester 2

EAT40005

Semester 1

COS30008

| COS30008 Data Structures and Patterns | +12.5 | Engineering Technology Project A (ENG/CS) | +12.5 |
|--|-------|--|-------|
| COS30019 Introduction to Artificial Intelligence | +12.5 | COS40003 Concurrent Programming | +12.5 |
| COS30043 Interface Design and Development | +12.5 | SWE40006 Software Deployment and Evolution | +12.5 |
| SWE30003 Software Architectures and Design | +12.5 | Computer Science Major Unit | +12.5 |
| Year Six | | | |

Semester 1

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

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

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**

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.

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