## Bachelor of Engineering (Honours) Biomedical Major BH-ENG1

## SWIN BUR \* NE \*

## 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	<b>COS10025</b> Technology in an Indigenous Context Project	+12.5
ENG10001 Humanitarian Engineering Design Project	+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	
EEE20006 Circuits and Electronics 1	+12.5	<b>BIO10004</b> Anatomy and Physiology	+12.5
ENG20009 Engineering Technology Inquiry Project	+12.5	BME20001 Biomaterials and Biomechanics	+12.5
MBP20009 Medical Imaging Systems	+12.5	<b>ENG20010</b> 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

## Year Three

Semester 1		Semester 2	
COS20007 Object Oriented Programming	+12.5	<b>COS40007</b> Artificial Intelligence for Engineering	+12.5
ENG30002 Engineering Technology Sustainability Project	+12.5	<b>EEE40017</b> Machine Vision	+12.5
MBP20011 Clinical Practicum 1-Neuro	+12.5	ENG40011 Engineering Technology Innovation Project	+12.5
Elective	+12.5	TNE30024 Deploying Secure Engineering Applications Online	+12.5
EAT20008 Professional Experience in Engineering	+0		

# 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 400 Credit Points

#### **Core units** 125 Credit points

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

### First - Bioimedical Major 225 Credit points

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

## **Elective units** 50 Credit point

A combination of elective units, or a Minor.

### 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 including other Majors and/or Elective units?

Visit Bachelor of Engineering (Honours)

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 <u>University Timetable</u> <u>Planner</u> before enrolling into units.

## Year Four

Semester 1		Semester 2	
<b>ENG40007</b> Engineering Technology Project A	+12.5	<b>ENG40008</b> Engineering Technology Project B	+12.5
<b>BME40004</b> Medical and Regulatory Practice	+12.5	<b>BME40005</b> Advanced Medical Imaging Systems	+12.5
Elective	+12.5	<b>MBP30008</b> Clinical Practicum 2 - Cardio	+12.5
Elective	+12.5	Elective	+12.5

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