SWINBURNE UNIVERSITY OF TECHNOLOGY

Bachelor of Engineering (Honours) / Bachelor of Arts BB-ENGART
Robotics and Mechatronics 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.

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.

Engineering Major
212.5 Credit points

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

Arts Major units
100 Credit points

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 including all Majors
Visit **Bachelor of Eng/ Bachelor of Arts**

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.

Year One

	Semester 2	
	COS10025 Technology in an Indigenous Context Project	+12.5
	ENG10001 Humanitarian Engineering Design Project	+12.5
	MTH00007* Preliminary Mathematics	+12.5
	PHY10001 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 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	
COS10009 Introduction to Programming	+12.5	MTH10013 Linear Algebra and Applications	+12.5
ENG10002 Engineering Materials	+12.5	ENG20009 Engineering Technology Inquiry Project	+12.5
ENG10003 Engineering Mechanics	+12.5	MEE20004 Structural Mechanics	+12.5
MTH10012 Calculus and Applications	+12.5	TNE20003 Internet and Cybersecurity for Engineering Applications	+12.5

Year Three

Semester 1		Semester 2	
EEE20006 Circuits & Electronics 1	+12.5	EEE40017 Machine Vision	+12.5
ENG20010 Engineering Technology Design Project	+12.5	ENG30002 Engineering Technology Sustainability Project	+12.5
MEE20007 Design and Product Visualisation Project	+12.5	MEE20006 Engineering Dynamics	+12.5
MTH20017 Mathematical Methods and Statistics for Engineering	+12.5	COS20001 Object Oriented Programming	+12.5

EAT20008 Professional Experience in Engineering	+0

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 Four

Semester 1		Semester 2	
ART10002 Technology and Society	+12.5	ART20003 Skills and Strategies for Social Change	+12.5
ENG40011 Engineering Technology Innovation Project	+12.5	Arts Major Unit	+12.5
RME30002 Control and Automation	+12.5	Arts Major Unit	+12.5
TNE30024 Deploying Secure Engineering Applications Online	+12.5	Arts Major Unit	+12.5

Year Five

Semester 1		Semester 2	
ART30004 Changemakers in Action	+12.5	ENG40007 Engineering Technology Project A	+12.5
Arts Major Unit	+12.5	RME30003 Robotic Control	+12.5
Arts Major Unit	+12.5	RME40002 Mechatronics Systems Design	+12.5
Arts Major Unit	+12.5	RME40003 Robot Systems Design 2	+12.5

Year Six

Semester 1	
ART30005 BA Professional Practice	+12.5
ENG40008 Engineering Technology Project B	+12.5
Arts Major Unit	+12.5
Arts Major Unit	+12.5

+ = Credit points