



S367.3

Campus: Geelong Waurin Ponds Campus (G) & Cloud (online)(X)

Duration: 4 years full time or part time equivalent

Course code: S367

Cricos Code: 075868E

year

Bachelor of Engineering

MECHATRONICS AND ROBOTICS MAJOR (MJ-S000040)

	SEE010 Safety Induction Program SEE010 Safety Induction Program – 0 credit point compulsory unit (Compulsory: 50-minute safety training session conducted at the beginning of the your first Trimester)				
1	Trimester 1	SEB121 Engineering Practice	SEB101^ Engineering Fundamentals	SIT199 Applied Algebra and Statistics	SED102 Engineering Graphics and CAD
	Trimester 2	SEE103 Electrical Systems	SEM111 Engineering Materials 1	SIT194: Introduction to Mathematical Modelling	SIT172 Programming for Engineers
2	Trimester 1	SEP291 Engineering Modelling	SEE202 Digital Electronics	SEE206 Measurement & Instrumentation	SEM223 Engineering Mechanics
	Trimester 2	SEB223 Professional Environment for Engineers and Scientists	SEE208 Modern Power Generation Systems Design	SEE215 Microcontroller Principles	SEM222 Stress Analysis
3	Trimester 1	SEE320 Microcontroller System Design	SEE321 Electro-mechanical Systems	SED302* Computer Aided Engineering	SEM327~ Dynamics of Machines
	Trimester 2	SEB324 Project Management	SEE326 Artificial Intelligence for Autonomous Systems	SEE344 Control Systems	SEE312 Industrial Data Communication
	SEP490: Engineering Work Experience (12 weeks)				
4	Trimester 1	SEJ441 Engineering Project A Offered T1, T2 and T3	SER400# Virtual and Augmented Interfaces	SEM433 Mechatronic Design	Highly Recommended Elective SET401 Advanced Topics in Engineering 1
	Trimester 2	SEJ446 Engineering Project B (2cp) Offered T1, T2 and T3		SEE412 Data Communication	Highly Recommended Elective SET402 Advanced Topics in Engineering 2 Offered T2 and T3

^ SEB101 replaces SEP101 from 2016

* SED302 replaces SEE325 from 2016

SER400 replaces SEE426 from 2016

~ SEM327 will be offered in Trimester 2 from 2017

This map is a guide only and should be used in conjunction with the 2016 on-line Handbook.

Rev: 1 September 2015

The requirements of the Bachelor of Engineering degree are:

- 30 core units and 2 Engineering elective units (this includes 2 highly recommended 4th year units SET401 and SET402 Advanced Topics 1 and 2)
- completion of SEE010 Safety Induction Program* (0 credit-point compulsory unit)
- a maximum of 10 credit points at Level 1
- completion of SEP490 – 12 Week Engineering Work Experience (0 credit points)
- campus requirement for professional practice component – Cloud (online) enrolled students MUST attend for approximately a two week period in the subjects: SEB121, SEB223, and both Campus and Cloud (online) enrolled students MUST attend SEB324 and SEJ446 (combined)

*SEE010 Compulsory Safety Induction Program to be completed in first year of enrolment. This zero credit point unit is a program of safety information for students involved in information technology laboratory work. The program encompasses information technology hazards, building evacuation procedures, laboratory accident management and first aid procedures and safety work procedures particular to laboratory and fieldwork.

Please see Handbook for any changes to pre-requisite and course rules:

<http://www.deakin.edu.au/students/university-handbook/2016>.