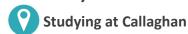
Bachelor of Engineering (Honours) (Mechatronics)



Commenced in Semester 2 2015 and 2016



Program Code: 12304

This program plan is an enrolment guide to ensure you are on track to graduate. Details on the teach-out arrangements can be found in your program handbook. If at any time you wish to vary from this program plan seek prior advice from your Academic Program Advisor to ensure you remain on track.

Semester 2 Semester 1



Year	
1	

1				
ear 2	ENGG1003 Introduction to Procedural Programming Replaced GENG1003	ENGG1500 Introduction to Professional Engineering Replaced GENG1803	MATH1120 Mathematics for Engineering, Science and Technology 2 Replaces option of MATH1120 OR MATH1220	PHYS1205** Fundamentals of Engineering Physics or PHYS1210 Advanced Physics I
Year 3	ELEC2320 Introduction to Mechanical Engineering Design	ELECTIVE This can be studied in any term, including summer or winter Replaced ELEC2700	MECH2110 Mechanical Engineering Design 1	MECH2360 Dynamics of Machines Replaced MECH2350
Year 4	AERO3600 Embedded Control Systems From 2020 onwards Replaced ENGG3440 In 2018-2019, ENGG3440 Replaced ELEC4400	ENGG3500 Managing Engineering Projects Replaced GENG3830	MCHA3400 Embedded Systems Engineering Replaced ELEC3730	MECH4410 Mechanics of Solids 2 and FEA Replaced MECH4400
Year 5	ELECTIVE This can be studied in any term, including summer or winter	ENGG4801A^ Engineering Final Project A	MCHA4100* Mechatronic System (20 units) In 2019, MCHA4000 Replaced MCHA3900 * Please refer to the transition document for more information.	

Program Plan Key:	= Core	= Elective

CIVL1100 Fundamentals of Engineering Mechanics Replaced GENG1001	ELECTIVE This can be studied in any term, including summer or winter	MATH1110 Mathematics for Engineering, Science and Technology 1 Replaces option of MATH1110 OR MATH1210	MECH1110 Introduction to Mechanical Engineering Design Replaced GENG1000 In 2021 changed from Sem 2 to Sem 1
ELEC1310 Introduction to Electrical Engineering Replaced ELEC1300	ELEC1710 Digital and Computer Electronics 1 Replaced ELEC1700	ENGG2300 Engineering Fluid Mechanics From 2021 onwards: Replaced MECH2710 Prior to 2021, MECH2710 Replaced MECH2700	MATH2310 Calculus of Science and Engineering
ELEC3240 Analog Electronics	ENGG2440 Modelling and Control Replaced MCHA2000	MECH2430 Mechanics of Solids 1 Replaced MECH2420	MECH2450 Engineering Computations 2
ENGG4440 Nonlinear Control and Estimation Replaced ELEC4410	ENGG4500 Engineering Complexity Replaced PHIL3910/PHIL3930	ENGG4801A^ Engineering Final Project A	MCHA3500 Mechatronics Design 1 Replaced MCHA3000

* Prior to 2021 students were required to complete MCHA4000 (10 units) PLUS MECH4841A / MECH4841B OR ELEC4840A /ELEC4840B (30 units total). From 2021, students will be required to follow the new arrangement: MCHA4100 (20 units) PLUS ENGG4801A / ENGG4801B (20 units total).

REFER TO THE TRANSITION DOCUMENT IN THE PROGRAM HANDBOOK FOR MORE INFORMATION.

CRICOS Code: 032765A

Students who have already completed 310 units towards their program and who have not yet completed MCHA4000 will be required to contact their Program Convenor.

CRICOS Provider: 00109J

To be eligible to graduate make sure you have completed 320 units (10 units = 1 course unless otherwise specified) which meet the following criteria:

✓ Core units – 290 units.

Prior to 2021, students choose to complete either MATH1110 and MATH1120, *OR* MATH1210 and MATH1220. Choice of maths courses is based on your assumed knowledge. To find out which MATH course you should enrol in please see the Enrolling in Maths information. More information in your Program Handbook. Note that due to course offerings it is recommended midyear commencing students take MATH1110 and MATH1120, and that you also consider the University's Summer School offerings following your first semester.

After 2021, the option to do MATH1210 and MATH1220 has been removed from the program. From 2021 onwards: 1) if you have not yet completed MATH1210 you must complete MATH1110; and 2) if you haven't completed MATH1220 then you must complete MATH1120.

- ** PHYS courses. PHYS1210 can only be undertaken with Program Convenor approval.
- ^ MECH4841B/ELEC4840B **must** be completed in the semester immediately following MECH4841A/ELEC4840A.
- ✓ Electives 30 units. Please note if you have completed ELEC2700 you will only complete 20 units of electives. Visit the Course Handbook to see a list of available electives.
- ✓ It is also a requirement that students complete a total of 12 weeks of industrial experience.
- ✓ The duration of this program is 4 years fulltime study (40 units per semester) or part time equivalent.
- ✓ The maximum time to complete this program is 10 years.



Some courses have assumed knowledge and/or requisites, please refer to the individual Course Handbook.

The <u>Program Handbook</u> has valuable information on program structure and requirements, if you are intending on studying part time or varying from this program plan please seek prior advice from your Academic Program Advisor.

Information correct as of 26 November 2020 and subject to change. Program Code: 12304 CRICOS Code: 032765A CRICOS Provider: 00109J