

Bachelor of Mechatronics Engineering (Honours)

 Commencing in Semester 2 2017 - 2019

 Studying at Callaghan

This program plan is an enrolment guide to ensure you are on track to graduate. If at any time you wish to vary from this program plan seek prior advice from your [Program Advisor](#) to ensure you remain on track.

See the last page for some helpful hints & tips!



Year 1

Semester 2

CIVL1100 Fundamentals of Engineering Mechanics	MATH1110* Mathematics for Engineering, Science and Technology 1	MECH1110 Mechanical Drawing/CAD and Workshop Practice	PHYS1210 Advanced Physics I <i>May count PHYS1205 in lieu with convenor approval</i>
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Semester 1

Year 2

ENGG1003 Introduction to Procedural Programming	ENGG1500 Introduction to Professional Engineering	MATH1120 Mathematics for Engineering, Science and Technology 2	ELECTIVE PATHWAY
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ELEC1310 Introduction to Electrical Engineering	ELEC1710 Digital and Computer Electronics 1	MATH2310 Calculus of Science and Engineering	ELECTIVE PATHWAY
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Year 3

ELEC2320 Electrical and Electronic Circuits	ENGG2500 Sustainable Engineering Practice	MECH2110 Mechanical Engineering Design 1	MECH2360 Dynamics of Machines
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ELEC2430 Circuits and Signals	ENGG2440 Modelling and Control	MECH2710 Fluid Mechanics 1	ELECTIVE PATHWAY
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Year 4

ENGG3440 Linear Control and Estimation	ENGG3500 Managing Engineering Projects	MCHA3400 Embedded Systems Engineering <i>Replaces ELEC3730</i>	MECH3695 Heat Transfer
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MECH4841A Mech Eng Project A <i>or ELEC4840A</i> Final Year Eng Project Part A	ENGG4440 Nonlinear Control and Estimation	ENGG4500 Engineering Complexity	MCHA3500 Mechatronics Design 1
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Year 5

ELECTIVE PATHWAY <i>At least 10 units of electives must be at 2000 level or higher</i>	MCHA4000 Mechatronics Design 2	MECH4841B Mechanical Engineering Project B (20 units) <i>or ELEC4840B</i> Final Year Eng Project Part B (20 units) <i>This course must be taken in the semester immediately following MECH4841A/ELEC4840A</i>
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Program Plan Key:  = Core  = Elective Pathway
 = [Compulsory Program Requirement](#)

Professional Practice: Exposure to Professional Practice/Industrial Experience 12 weeks

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 courses – 280 units.
 - * MATH courses - 20 units. Choice of maths courses is based on your assumed knowledge. To find out which MATH courses you should enrol in please see the [Enrolling in Maths information](#). More information is found in your [Program Handbook](#). Note that due to course offerings it is recommended Semester 2 commencing students take MATH1110 and MATH1120, and that you also consider the University's [Summer School](#) offerings following your first semester.
- ✓ Elective pathway – 40 units. Visit the [Program Handbook](#) and [Course Handbook](#) to see a list of available electives, keeping in mind at least 10 units must be [2000 level or higher](#).
- ✓ Please be aware of the 120 unit maximum for 1000 level courses *when selecting your electives*.
- ✓ It is also a requirement that students complete a total of 12 weeks of exposure to professional practice/industrial experience. More information is [here](#).
- ✓ 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 [Program Handbook](#) 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 [Program Advisor](#).

Helpful Hints & Tips

ENROLMENT HELP



Need help? >>
Ask UON >>



How do I use the Web Timetable? >>

RULES

It is important to follow this Program Plan.

You cannot repeat a course you've passed to try and get a better grade.

You cannot enrol in any extra courses not required by your program >>

INFO FOR NEW STUDENTS



First year undergraduate students usually only enrol in 1000 level courses >>

New Postgraduate students should only enrol in 6000 level courses >>



Find out all you need to know about getting started at uni >>

UNDERSTANDING COURSES & PROGRAMS



Not sure what courses to study? >>



Understanding program and course jargon >>



Understanding UON Jargon >>

PRIOR STUDY



Check you have met the assumed knowledge and requisites for courses before enrolling >>



Have you studied elsewhere or transferred programs? Don't forget to apply for credit >>

CONSIDERING A BREAK?



Need to take a break? This is called a 'leave of absence'. Check if you are eligible >>



Planning on going overseas? Keep electives free, so it's easier for you to receive credit for your overseas studies >>



UON offers a range of support services to assist with your health and wellbeing >>

MORE QUESTIONS?

We are here to answer questions about your program. Talk to us your way!

Ask UON

1300 ASK UON

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