

Master of Professional Engineering (Mechatronics)



Commencing in Semester 1 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.

ONE YEAR PROGRAM

Semester 1 2017

MCHA6100 Advanced Estimation	DIRECTED	ELECTIVE	ELECTIVE
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Semester 2 2017

MECH6840 MPE Thesis	MCHA6300 Real-time Optimisation for Embedded Systems	ELECTIVE	ELECTIVE
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TWO YEAR PROGRAM

Semester 1 2017

ENGG3500 Managing Engineering Projects	ENGG6440 Linear Control and Estimation	DIRECTED	ELECTIVE
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Semester 2 2017

MCHA6500 Mechatronics Design 1	ENGG6441 Nonlinear Control and Estimation	ENGG6500 Engineering Complexity	ELECTIVE
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Semester 1 2018

MCHA6600 Mechatronics Design 2	MECH6840A MPE Thesis A: Experimental Methods	MCHA6100 Advanced Estimation	ELECTIVE
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Semester 2 2018

MECH6840B MPE Thesis B (20 units)	MCHA6300 Real-time Optimisation for Embedded Systems	ELECTIVE
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Program Plan Key:

= Core

= Directed

= Elective

Master of Professional Engineering (Mechatronics) - Directed Courses

One Year Program

Choose **10 units** of Directed Courses at 6000 level

Two Year Program

Choose **10 units** of Directed Courses

ELEC3160	Principles and Design of Off-Grid Power Systems
ELEC3251	Power Electronics and Renewable Energy Systems
ELEC3500	Telecommunication Networks
ELEC3730	Digital and Computer Electronics 2
ELEC4720	Programmable Logic Design
ELEC6100	Electrical Systems
ELEC6160	Advanced Drives and Power Electronics
ELEC6210	Electronics Design
ELEC6400	Signal Processing
ELEC6550	Wireless Communication
ELEC6700	Advanced Computer Systems
ENGG6400	Modelling and Control
MECH3400	Materials Science and Engineering 2
MECH3695	Heat Transfer
MECH6110	Mechanical Design Project
MECH6130	Mechanics of Bulk Solids and Particulates
MECH6200	Computer Aided Engineering and Manufacturing
MECH6250	Bulk Materials Handling and Transportation
MECH6410	Advanced Mechanics of Solids and FEA
MECH6480	Advanced Fluid Mechanics and CFD
MECH6760	Renewable Energy Conversion

One Year Program - To be eligible to graduate make sure you have completed 80 units (10 units = 1 course unless otherwise specified) which meet the following criteria:

- ✓ Students eligible to complete a one year program will be advised upon admission to the program
- ✓ Core courses - 30 units.
- ✓ Directed courses - 10 units (must be completed at 6000 level)
- ✓ Elective courses - 40 units (must be completed at 6000 level)
- ✓ The duration of this program is one year full-time or part-time equivalent
- ✓ The maximum time to complete this program is 4 years

Two Year Program - To be eligible to graduate make sure you have completed 160 units (10 units = 1 course unless otherwise specified) which meet the following criteria:

- ✓ Core courses - 110 units.
- ✓ Directed courses - 10 units
- ✓ Elective courses - 40 units (must be completed at 6000 level)
- ✓ MECH6840A and MECH6840B contribute to a multi-term sequence and must be completed in consecutive terms within a 12 month period. Students must complete Part A before Part B. If they complete Part A and are unable to complete Part B within the timeframe, they must re-complete Part A
- ✓ The duration of this program is two years full-time or part-time equivalent
- ✓ The maximum time to complete this program is 6 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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