

# Bachelor of Medical Engineering (Honours)

## MEDICAL SIGNAL ANALYSIS MAJOR

 Commencing in Semester 2 2018 or Semester 2 2019

 Studying at Callaghan

See the last page for some helpful hints & tips!



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.

### Semester 1

Year 1

Year 2

Year 3

Year 4

Year 5

<a href="#">ENGG1500</a> Introduction to Professional Engineering	<a href="#">HUBS1401</a> Human Bioscience	<a href="#">HUBS1105</a> Musculoskeletal Anatomy	<a href="#">MATH1120</a> Mathematics for Engineering, Science and Technology 2
--	--	---	---

<a href="#">ENGG2500</a> Sustainable Engineering Practice	<a href="#">CHEM1010</a> Introductory Chemistry I	<a href="#">PHYS1210</a> Advanced Physics I	<a href="#">ENGG1003</a> Introduction to Procedural Programming
--	--	--	--

<a href="#">ENGG3500</a> Managing Engineering Projects	<a href="#">HUBS2206</a> Human Biochemistry and Cell Biology	<a href="#">DIRECTED</a>	<a href="#">ELECTIVE PATHWAY</a> 2000 level or higher
---	---	--------------------------	--

<a href="#">MENG4800B</a> Medical Engineering Project B (20 units) <i>This course <b>must</b> be taken following MENG4800A</i>	<a href="#">ELEC3400</a> Signal Processing	<a href="#">HUBS3302</a> Bioinformatics and Functional Genomics
--	---	--





### Semester 2

<a href="#">MATH11100#</a> Mathematics for Engineering, Science and Technology 1	<a href="#">HUBS1420</a> Terminology and Communication for Health Professions	<a href="#">ELEC1310</a> Introduction to Electrical Engineering	<a href="#">ELEC1710</a> Digital and Computer Electronics 1
---	--	--	--

<a href="#">HUBS2103</a> Neural and Visceral Anatomy	<a href="#">MATH2310</a> Calculus of Science and Engineering	<a href="#">ELECTIVE PATHWAY</a> 2000 level or higher	<a href="#">ELECTIVE PATHWAY</a> 2000 level or higher
---	---	--	--

<a href="#">MENG3800</a> Medical Engineering Research	<a href="#">PHYS1220</a> Advanced Physics II	<a href="#">DIRECTED</a>	<a href="#">ELECTIVE PATHWAY</a> 2000 level or higher
--	---	--------------------------	--

<a href="#">MENG4800A</a> Medical Engineering Project A	<a href="#">ENGG4500</a> Engineering Complexity	<a href="#">ELEC2430</a> Circuits and Signals	<a href="#">MENG3450</a> Medical Imaging
--	--	--	---

Program Plan Key:  = Core  = Major  = Elective Pathway  
 = [Compulsory Program Requirement](#)

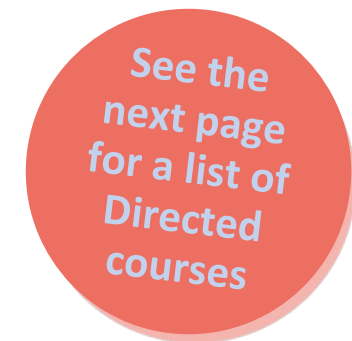
Professional Practice: Industrial Experience 12 weeks

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 – 160 units.
  - \* Enrolment in MATH 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 in your [Program Handbook](#).
  - \*\* Students who do not meet the enrolment requisite for MATH1110 will be required to first enrol in MATH1002 and will count MATH1002 as one of their Electives.
- ✓ Major – 120 units including 100 units of compulsory and 20 units of directed courses.
- ✓ Elective Pathway – 40 units, visit the [Program Handbook](#) for more information. \*\*See also note above regarding MATH courses.
- ✓ Students must not exceed 120 units at 1000 level in this program. \*\*Only students who are required to undertake MATH1002 can exceed 120 units at 1000 level – see above note regarding MATH courses.
- ✓ It is also a requirement that students complete a total of 12 weeks of [industrial experience](#).
- ✓ The duration of this program is four years full time (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](#).



# Bachelor of Medical Engineering (Honours) – Medical Signal Analysis Major

## Directed Courses

Subject to change - Please refer to the program handbook for up to date information.

Choose **20 units** from the following directed courses.

[ELEC2320](#) Electrical And Electronic Circuits

[ENGG2440](#) Modelling and Control

[HUBS2203](#) Introductory Pharmacology

[PHYS2160](#) Modern Optics

[ELEC3540](#) Analog and Digital Communications

[HUBS3512](#) Neurobiology of Mental Illness

# 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
- Visit Student Central
- Message us on Facebook
- or Twitter
- UONline via myUON