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				Semester 2			
Year 1					MATH11100# Mathematics for Engineering, Science and Technology 1	HUBS1420 Terminology and Communication for Health Professions	ELEC1310 Introduction to Electrical Engineering	ELEC1710 Digital and Computer Electronics 1
Year 2	ENGG1500 Introduction to Professional Engineering	HUBS1401 Human Bioscience	HUBS1105 Musculoskeletal Anatomy	MATH1120 Mathematics for Engineering, Science and Technology 2	HUBS2103 Neural and Visceral Anatomy	MATH2310 Calculus of Science and Engineering	ELECTIVE PATHWAY 2000 level or higher	ELECTIVE PATHWAY 2000 level or higher
Year 3	ENGG2500 Sustainable Engineering Practice	CHEM1010 Introductory Chemistry I	PHYS1210 Advanced Physics I	ENGG1003 Introduction to Procedural Programming	MENG3800 Medical Engineering Research	PHYS1220 Advanced Physics II	DIRECTED	ELECTIVE PATHWAY 2000 level or higher
Year 4	ENGG3500 Managing Engineering Projects	HUBS2206 Human Biochemistry and Cell Biology	DIRECTED	ELECTIVE PATHWAY 2000 level or higher	MENG4800A Medical Engineering Project A	ENGG4500 Engineering Complexity	ELEC2430 Circuits and Signals	MENG3450 Medical Imaging
Year 5	MENG4800B Medical Engineering Project B (20 units) *This course **must** be taken following MENG4800A*		ELEC3400 Signal Processing	HUBS3302 Bioinformatics and Functional Genomics				

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 undertaken 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.

See the next page for a list of Directed courses

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.

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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