

PROGRAM PLAN

BACHELOR OF MEDICAL ENGINEERING (HONOURS)

Medical Computing Major

PROGRAM OPTION:
Commencing in Semester 1

START DATE:
2018 to 2020

LOCATION:
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 advice from your Program Advisor to ensure you remain on track.

 [PROGRAM HANDBOOK](#)

 [COURSE HANDBOOK](#)

NAME:

STUDENT NO.:

YEAR 1	SEMIESTER 1 ENGG1500 Introduction to Professional Engineering CORE	MATH1110 Mathematics for Engineering, Science and Technology 1 CORE --- OR --- MATH1210 Mathematical Discovery 1 CORE	HUBS1401 Human Bioscience CORE	SENG1110 Object Oriented Programming COMPULSORY	SEMIESTER 2 HUBS1420 Terminology and Communication for Health Professions CORE	MATH1120 Mathematics for Engineering, Science and Technology 2 CORE --- OR --- MATH1220 Mathematical Discovery 2 CORE	SENG1120 Data Structures COMPULSORY	COMP1140 Database and Information Management COMPULSORY	COMPULSORY PROFESSIONAL PRACTICE: INDUSTRIAL EXPERIENCE 12 WEEKS
	SEMIESTER 1 ENGG2500 Sustainable Engineering Practice CORE	CHEM1010 Introductory Chemistry I CORE	HUBS1105 Musculoskeletal Anatomy CORE	ELECTIVE 2000 level or higher ELECTIVE		SEMIESTER 2 HUBS2103 Neural and Visceral Anatomy CORE	SENG1050 Web Technologies COMPULSORY	MATH1510 Discrete Mathematics COMPULSORY	
YEAR 3	SEMIESTER 1 ENGG3500 Managing Engineering Projects CORE	HUBS2206 Human Biochemistry and Cell Biology CORE	HUBS2505 Human Pathophysiology COMPULSORY	COMP3330 Machine Intelligence COMPULSORY	SEMIESTER 2 MENG3800 Medical Engineering Research CORE	COMP2230 Algorithms COMPULSORY	MENG3750 eHealth: Privacy and Security COMPULSORY	ELECTIVE 2000 level or higher ELECTIVE	
	SEMIESTER 1 MENG4800A Medical Engineering Project A CORE	HUB3302 Bioinformatics and Functional Genomics COMPULSORY	DIRECTED DIRECTED	ELECTIVE 2000 level or higher ELECTIVE	SEMIESTER 2 MENG4800B Medical Engineering Project B <i>This course must be taken following MENG4800A (20 units)</i> CORE	ENGG4500 Engineering Complexity CORE	ELECTIVE 2000 level or higher ELECTIVE		

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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 and Compulsory courses – 260 units
- Directed courses – 20 units
- Electives – 40 units, visit the [Program Handbook](#) for more information
- Students must not exceed 120 units at 1000 level in this program
- It is also a requirement that students complete a total of 12 weeks of [industrial experience](#).
- The duration of this program is 4 year 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](#). Please refer to the [Program Handbook](#) for specific information on program structure. If you are intending varying from this program plan please seek advice from your [Program Advisor](#).

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DIRECTED COURSES

Complete 20 units from:

ELEC1710: Digital and Computer Electronics 1

HUBS2203: Introductory Pharmacology

SENG2050: Web Engineering

SENG2260: Human-Computer Interaction

COMP3340: Data Mining

HUBS3511: Frontiers in Chronic Disease