

PROGRAM PLAN

BACHELOR OF MEDICAL ENGINEERING (HONOURS)

Medical Biomechanics Major

PROGRAM OPTION:
Commencing in Semester 2

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	SEMESTER 1	MATH1110 Mathematics for Engineering, Science and Technology 1 CORE	HUBS1420 Terminology and Communication for Health Professions CORE	ELEC1310 Introduction to Electrical Engineering COMPULSORY	CIVL1100 Fundamentals of Engineering Mechanics COMPULSORY
		--- OR --- MATH1210 Mathematical Discovery 1 CORE			
YEAR 2	SEMESTER 1	MATH1120 Mathematics for Engineering, Science and Technology 2 CORE	ENGG1500 Introduction to Professional Engineering CORE	HUBS1401 Human Bioscience CORE	ENGG1003 Introduction to Procedural Programming COMPULSORY
		--- OR --- MATH1220 Mathematical Discovery 2 CORE			
YEAR 2	SEMESTER 2	PHYS1210 Advanced Physics I COMPULSORY	MECH1110 Introduction to Mechanical Engineering Design COMPULSORY	MATH2310 Calculus of Science and Engineering COMPULSORY	ELECTIVE 2000 level or higher ELECTIVE
YEAR 3	SEMESTER 1	ENGG2500 Sustainable Engineering Practice CORE	HUBS1105 Musculoskeletal Anatomy CORE	MECH2110 Mechanical Engineering Design 1 COMPULSORY	MECH2360 Dynamics of Machines COMPULSORY
YEAR 3	SEMESTER 2	MENG3800 Medical Engineering Research CORE	HUBS2103 Neural and Visceral Anatomy CORE	MECH2710 Fluid Mechanics 1 COMPULSORY	ENGG2440 Modelling and Control COMPULSORY
YEAR 4	SEMESTER 1	ENGG3500 Managing Engineering Projects CORE	CHEM1010 Introductory Chemistry I CORE	MECH3400 Materials Science and Engineering 2 COMPULSORY	ELECTIVE 2000 level or higher ELECTIVE
YEAR 4	SEMESTER 2	MENG4800A Medical Engineering Project A CORE	ENGG4500 Engineering Complexity CORE	DIRECTED DIRECTED	ELECTIVE 2000 level or higher ELECTIVE
YEAR 5	SEMESTER 1	MENG4800B Medical Engineering Project B <i>This course must be taken following MENG4800A (20 units)</i> CORE	HUBS2206 Human Biochemistry and Cell Biology CORE	ELECTIVE 2000 level or higher ELECTIVE	

COMPULSORY PROFESSIONAL PRACTICE: INDUSTRIAL EXPERIENCE 12 WEEKS

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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 – 270 units
- Directed courses – 10 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 10 units from:

MECH3110: Mechanical Engineering Design 2

MECH3720: Thermodynamics

MECH3780: Fluid Mechanics 2 and CFD