

Bachelor of Engineering (Biomedical) (Honours), Master of Engineering (Biomedical) 2024 Study Planner



Science & Engineering

Semester 1:

First Level	Semester 1	ENGR1721 Engineering Programming	PHYS1101 Physics 1A	MMED1005 How your body works: Human Physiology and Structure	MATH1121 Mathematics 1A
	Semester 2	ENGR1201 Electronics	ENGR1401 Professional Skills	ENGR1722 Engineering Materials and Systems	MATH1122 Mathematics 1B
Second Level	Semester 1	ENGR1711 Engineering Design	ENGR2711 Engineering Mathematics	MMED2931 Human Physiology	Year 2 Option Topic: Electronics or Mechanics Stream
	Semester 2	ENGR2722 Signals and Systems	ENGR2732 Biomechanics	ENGR2742 Biomedical Instrumentation	ENGR2772 Sensors and Actuators
Third Level	Semester 1	MMED3932 Body Systems	ENGR3741 Physiological Measurement	Year 3 Option Topic: Electronics or Mechanics Stream *Needs to be same stream as Year 2	Year 3 Option Topic: Electronics or Mechanics Stream *Needs to be same stream as Year 2
	Semester 2	ENGR7702 Biomaterials	MMED2932 Integrative Human Physiology	COMP2711 Computer Programming 2	Elective Topic (4.5 units) MMED3941 Recommended
Fourth Level	Semester 1	ENGR9721 Control Systems GE	ENGR7781 Innovation in Medical Devices	Year 4 Option Topics (4.5 units)	Year 4 Option Topics (4.5 units)
	NS1	ENGR3750 Workplace Preparation (0 units)			
	Semester 2	ENGR9704 Engineering Management (NS2)	ENGR3700 Engineering Practicum (13.5 units) OR ENGR3710 International Engineering Practicum (13.5 units)		
Fifth level	Semester 1	STEM9003 Research Methods for Engineering and ICT Masters	STEM9100A Masters Research Project (4.5/13.5 units)	Year 5 Option Topic (4.5 units)	Year 5 Option Topic (4.5 units)
	Semester 2	STEM9100B Masters Research Project (4.5/13.5 units)	STEM9100C Masters Research Project (4.5/13.5 units)	ENGR9742 Systems Engineering	Year 5 Option Topic (4.5 units)

Semester 2:

First Level	Semester 2	ENGR1201 Electronics	ENGR1721 Engineering Programming	ENGR1722 Engineering Materials and Systems	MATH1121 Mathematics 1A
	Semester 1	ENGR1401 Professional Skills	PHYS1101 Physics 1A	MMED1005 How your body works: Human Physiology and Structure	MATH1122 Mathematics 1B
Second Level	Semester 2	ENGR2722 Signals and Systems	ENGR2732 Biomechanics	ENGR2742 Biomedical Instrumentation	ENGR2772 Sensors and Actuators
	Semester 1	ENGR1711 Engineering Design	ENGR2711 Engineering Mathematics	MMED2931 Human Physiology	Year 2 Option Topic: Electronics or Mechanics Stream
Third Level	Semester 2	ENGR7702 Biomaterials	MMED2932 Integrative Human Physiology	COMP2711 Computer Programming 2	Elective Topic (4.5 units) MMED3941 Recommended
	Semester 1	MMED3932 Body Systems	ENGR3741 Physiological Measurement	Year 3 Option Topic: Electronics or Mechanics Stream *Needs to be same stream as Year 2	Year 3 Option Topic: Electronics or Mechanics Stream *Needs to be same stream as Year 2
	NS1	ENGR3750 Workplace Preparation (0 units)			
Fourth Level	Semester 2	ENGR9704 Engineering Management	ENGR3700 Engineering Practicum (13.5 units) OR ENGR3710 International Engineering Practicum (13.5 units)		
	Semester 1	ENGR9721 Control Systems GE	ENGR7781 Innovation in Medical Devices	Year 4 Option Topics (4.5 units)	Year 4 Option Topics (4.5 units)
Fifth level	Semester 2	STEM9003 Research Methods for Engineering and ICT Masters	STEM9100A Masters Research Project (4.5/13.5 units)	ENGR9742 Systems Engineering	Year 5 Option Topic (4.5 units)
	Semester 1	STEM9100B Masters Research Project (4.5/13.5 units)	STEM9100C Masters Research Project (4.5/13.5 units)	Year 5 Option Topic (4.5 units)	Year 5 Option Topic (4.5 units)

Key:

Core Topics	Compulsory topic
Option Topics	A choice from a list of specified topics (please refer to course rule)
Elective	Any topic offered by the University at the appropriate year level, provided entry and course requirements are met

Please note:

- This document is provided as a guide only. Students are responsible for ensuring that they have completed their study according to the official [Course Rule](#).
- Topic information for all topics, including pre-requisites can be found on the [Topic Page](#)
- General enrolment assistance is available via [Ask Flinders](#)
- For specific course advice e-mail: courseadvice.SE@flinders.edu.au