

**Bachelor of Engineering (Biomedical)
(Honours)
2024 Study Planner**



Science & Engineering

Semester 1 Start:

First Level	Semester 1	ENGR1721 Engineering Programming	MATH1121 Mathematics 1A	PHYS1101 Physics 1A	MMED1005 How your Body Works: Human Physiology and Structure
	Semester 2	ENGR1201 Electronics	MATH1122 Mathematics 1B	ENGR1722 Engineering Materials and Systems	ENGR1401 Professional Skills
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	COMP2711 Computer Programming 2	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)			
	Semester 2	ENGR9704 Engineering Management (NS2)	ENGR3700 Engineering Practicum (13.5 units) OR ENGR3710 International Engineering Practicum (13.5 units)		
Fourth Level	Semester 1	STEM7003 Research Methods for Engineering and ICT Honours	STEM7004A Honours Research Project (4.5/15 units)	ENGR7781 Innovation in Medical Devices	Year 4 Option topic
	Semester 2	STEM7004B Honours Research Project (4.5/15 units)	STEM7004C Honours Research Project (4.5/15 units)	ENGR9742 Systems Engineering	Year 4 Option topic

Semester 2 Start:

First Level	Semester 2	ENGR1201 Electronics	MATH1121 Mathematics 1A	ENGR1722 Engineering Materials and Systems	ENGR1401 Professional Skills
	Semester 1	ENGR1721 Engineering Programming	MATH1122 Mathematics 1B	PHYS1101 Physics 1A	MMED1005 How your Body Works: Human Physiology and Structure
Second Level	Semester 2	ENGR2722 Signals and Systems	ENGR2732 Biomechanics	ENGR2742 Biomedical Instrumentation	ENGR2772 Sensors and Actuators
	NS1	ENGR3750 Workplace Preparation (0 units)			
	Semester 1	ENGR1711 Engineering Design	ENGR2711 Engineering Mathematics	MMED2931 Human Physiology	Year 2 Option topic: Electronics or Mechanics Stream
Third Level	Semester 2	ENGR9704 Engineering Management (NS2)	ENGR3700 Engineering Practicum (13.5 units) OR ENGR3710 International Engineering Practicum (13.5 units)		
	Semester 1	COMP2711 Computer Programming 2	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
Fourth Level	Semester 2	STEM7003 Research Methods for Engineering and ICT Honours	STEM7004A Honours Research Project (4.5/15 units)	ENGR9742 Systems Engineering	Year 4 Option topic
	Semester 1	STEM7004B Honours Research Project (4.5/15 units)	STEM7004C Honours Research Project (4.5/15 units)	ENGR7781 Innovation in Medical Devices	Year 4 Option topic

Key:

Core Topics	Compulsory topic
Option Topics	A choice from a list of specified topics (please refer to course rule)

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