

**Bachelor of Engineering (Biomedical)  
(Honours)  
2023 Study Planner**



Science & Engineering

**Semester 1 Start:**

First Level	Semester 1	<b>ENGR1721</b> Engineering Programming	<b>MATH1121</b> Mathematics 1A	<b>PHYS1101</b> Physics 1A	<b>MMED1005</b> How your Body Works: Human Physiology and Structure
	Semester 2	<b>ENGR1201</b> Electronics	<b>MATH1122</b> Mathematics 1B	<b>ENGR1722</b> Engineering Materials and Systems	<b>ENGR1401</b> Professional Skills
Second Level	Semester 1	<b>ENGR1711</b> Engineering Design	<b>ENGR2711</b> Engineering Mathematics	<b>MMED2931</b> Human Physiology	<b>Year 2 Option topic</b> Electronics or Mechanics Stream
	Semester 2	<b>ENGR2722</b> Signals and Systems	<b>ENGR2732</b> Biomechanics	<b>ENGR2742</b> Biomedical Instrumentation	<b>ENGR2772</b> Sensors and Actuators
Third Level	Semester 1	<b>COMP2711</b> Computer Programming 2	<b>ENGR3741</b> Physiological Measurement	<b>Year 3 Option Topic:</b> Electronics or Mechanics Stream <b>*Needs to be same stream as Year 2</b>	<b>Year 3 Option Topic:</b> Electronics or Mechanics Stream <b>*Needs to be same stream as Year 2</b>
	NS1	<b>ENGR3750</b> Workplace Preparation (0 units)			
	Semester 2	<b>ENGR9704</b> Engineering Management (NS2)	<b>ENGR3700</b> Engineering Practicum (13.5 units) <b>OR</b> <b>ENGR3710</b> International Engineering Practicum (13.5 units)		
Fourth Level	Semester 1	<b>STEM7003</b> Research Methods for Engineering and ICT Honours	<b>STEM7004A</b> Honours Research Project (4.5/15 units)	<b>ENGR7781</b> Innovation in Medical Devices	<b>Year 4 Option topic</b>
	Semester 2	<b>STEM7004B</b> Honours Research Project (4.5/15 units)	<b>STEM7004C</b> Honours Research Project (4.5/15 units)	<b>ENGR9742</b> Systems Engineering	<b>Year 4 Option topic</b>

## Semester 2 Start:

First Level	Semester 2	<b>ENGR1201</b> Electronics	<b>MATH1121</b> Mathematics 1A	<b>ENGR1722</b> Engineering Materials and Systems	<b>ENGR1401</b> Professional Skills
	Semester 1	<b>ENGR1721</b> Engineering Programming	<b>MATH1122</b> Mathematics 1B	<b>PHYS1101</b> Physics 1A	<b>MMED1005</b> How your Body Works: Human Physiology and Structure
Second Level	Semester 2	<b>ENGR2722</b> Signals and Systems	<b>ENGR2732</b> Biomechanics	<b>ENGR2742</b> Biomedical Instrumentation	<b>ENGR2772</b> Sensors and Actuators
	NS1	<b>ENGR3750</b> Workplace Preparation (0 units)			
	Semester 1	<b>ENGR1711</b> Engineering Design	<b>ENGR2711</b> Engineering Mathematics	<b>MMED2931</b> Human Physiology	<b>Year 2 Option topic:</b> Electronics or Mechanics Stream
Third Level	Semester 2	<b>ENGR9704</b> Engineering Management (NS2)	<b>ENGR3700</b> Engineering Practicum (13.5 units) <b>OR</b> <b>ENGR3710</b> International Engineering Practicum (13.5 units)		
	Semester 1	<b>COMP2711</b> Computer Programming 2	<b>ENGR3741</b> Physiological Measurement	<b>Year 3 Option Topic:</b> Electronics or Mechanics Stream <b>*Needs to be same stream as Year 2</b>	<b>Year 3 Option Topic:</b> Electronics or Mechanics Stream <b>*Needs to be same stream as Year 2</b>
Fourth Level	Semester 2	<b>STEM7003</b> Research Methods for Engineering and ICT Honours	<b>STEM7004A</b> Honours Research Project (4.5/15 units)	<b>ENGR9742</b> Systems Engineering	<b>Year 4 Option topic</b>
	Semester 1	<b>STEM7004B</b> Honours Research Project (4.5/15 units)	<b>STEM7004C</b> Honours Research Project (4.5/15 units)	<b>ENGR7781</b> Innovation in Medical Devices	<b>Year 4 Option topic</b>

### 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](mailto:courseadvice.SE@flinders.edu.au)