

## 2020 Study Plan Template

### Graduate Diploma in Engineering Science (Biomedical)

Please note that this document is provided as a guide only. Students are responsible for ensuring that they have completed 36 units of study according to the official course rule available at <https://students.flinders.edu.au/my-course/course-rules/postgrad/gdpengsci>

Students are responsible for planning their Core and Elective (if applicable) Topics ahead to ensure they meet the topic prerequisites.

A list of all topics, including topic prerequisite information and alternate study period availabilities, is available at [Topics 2020](#).

<b>Key:</b>	
<b>Core Topic</b>	Compulsory topic
<b>Elective Topic</b>	4.5 units of electives must be selected from ENGR topics at 7000 and above.

**Core Topics – Biomedical Engineering Pathway B1** Students who have entered with a medical science qualification or biological science based degree must complete 36 units of topics comprising

#### Semester 1, 2020 start:

<b>Year 1</b>	<b>S1</b>	<b>COMP8801</b> Computer Programming 2 GE (4.5 units)	<b>ENGR8731</b> Microprocessors GE (4.5 units)	<b>ENGR8761</b> Engineering Mathematics (4.5 units)	<b>ENGR8812</b> Engineering Mechanics (4.5 units)
	<b>S2</b>	<b>ENGR8703</b> Electronics GE (4.5 units)	<b>ENGR8722</b> Analysis of Engineering Systems GE (4.5 units)	<b>ENGR8772</b> Sensors and Actuators (4.5 units)	<b>ENGR8800</b> Engineering Programming (4.5 units)

#### Semester 2, 2020 start:

<b>Year 1</b>	<b>S2</b>	<b>ENGR8703</b> Electronics GE (4.5 units)	<b>ENGR8722</b> Analysis of Engineering Systems GE (4.5 units)	<b>ENGR8772</b> Sensors and Actuators (4.5 units)	<b>ENGR8800</b> Engineering Programming (4.5 units)
	<b>S1</b>	<b>COMP8801</b> Computer Programming 2 GE (4.5 units)	<b>ENGR8731</b> Microprocessors GE (4.5 units)	<b>ENGR8761</b> Engineering Mathematics (4.5 units)	<b>ENGR8812</b> Engineering Mechanics (4.5 units)

**Core Topics – Biomedical Engineering Pathway B2** Students who have entered with an engineering degree in a different area must complete 36 units of topics comprising:

**Semester 1, 2020 start:**

Year 1	S1	<b>COMP8801</b> Computer Programming 2 GE (4.5 units)	<b>ENGR8731</b> Microprocessors GE (4.5 units)	<b>ENGR8761</b> Engineering Mathematics (4.5 units)	<b>MMED8931</b> Human Physiology GE (4.5 units)
	S2	<b>ENGR8703</b> Electronics GE (4.5 units)	<b>ENGR8722</b> Analysis of Engineering Systems GE (4.5 units)	<b>ENGR8772</b> Sensors and Actuators (4.5 units)	<b>ENGR8800</b> Engineering Programming (4.5 units)

**Semester 2, 2020 start:**

Year 1	S2	<b>ENGR8703</b> Electronics GE (4.5 units)	<b>ENGR8722</b> Analysis of Engineering Systems GE (4.5 units)	<b>ENGR8772</b> Sensors and Actuators (4.5 units)	<b>ENGR8800</b> Engineering Programming (4.5 units)
	S1	<b>COMP8801</b> Computer Programming 2 GE (4.5 units)	<b>ENGR8731</b> Microprocessors GE (4.5 units)	<b>ENGR8761</b> Engineering Mathematics (4.5 units)	<b>MMED8931</b> Human Physiology GE (4.5 units)

**Core and Elective Topics – Biomedical Engineering Pathway B3** Students who have entered with an Australian TAFE Diploma or Advance Diploma electronics qualification plus 7 years work experience must complete 36 units of topics comprising:

**Semester 1, 2020 start:**

Year 1	S1	<b>COMP8801</b> Computer Programming 2 GE (4.5 units)	<b>ENGR8761</b> Engineering Mathematics (4.5 units)	<b>ENGR8812</b> Engineering Mechanics (4.5 units)	<b>MMED8931</b> Human Physiology GE (4.5 units)
	S2	<b>ENGR8722</b> Analysis of Engineering Systems GE (4.5 units)	<b>ENGR8752</b> Engineering Physics and Materials GE (4.5 units)	<b>ENGR8800</b> Engineering Programming (4.5 units)	Elective

**Semester 2, 2020 start:**

Year 1	S2	<b>ENGR8722</b> Analysis of Engineering Systems GE (4.5 units)	<b>ENGR8752</b> Engineering Physics and Materials GE (4.5 units)	<b>ENGR8800</b> Engineering Programming (4.5 units)	Elective
	S1	<b>COMP8801</b> Computer Programming 2 GE (4.5 units)	<b>ENGR8761</b> Engineering Mathematics (4.5 units)	<b>ENGR8812</b> Engineering Mechanics (4.5 units)	<b>MMED8931</b> Human Physiology GE (4.5 units)