

## 2020 Study Plan Template

### Master of Engineering (Electronics)

Please note that this document is provided as a guide only. Students are responsible for ensuring that they have completed 72 units of study according to the official course rule available at <https://students.flinders.edu.au/my-course/course-rules/postgrad/mee>

Students are responsible for planning their Core and Option 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](#)

#### Semester 1, 2020 start:

Year 1	NS1	ENGR3750 Workplace Preparation (0 units)			
	S1	ENGR9721 Control Systems GE (4.5 units)	ENGR9781 Computer Organisation and Design GE (4.5 units)	ENGR9821 Signal Processing GE (4.5 units)	Year 1 Option Topic *
	S2	ENGR8772 Sensors and Actuators GE (4.5 units)	ENGR9742 Standards, Ethics and compliance (4.5 units)	ENGR9704 Project Management and Innovation (4.5 units)	Year 1 Option Topic *
Year 2 – Option 1	S1	ENGR9700A Masters Thesis (4.5/18 units) ^^	ENGR9700B Masters Thesis (4.5/18 units)	ENGR9705 Engineering Work Experience ^ (4.5 units)	Year 2 Option topic**
	S2	ENGR9700C Masters Thesis (4.5/18 units)	ENGR9700D Masters Thesis (4.5/18 units)	Option – Year 2 topic***	Year 2 Option topic**
Year 2 -Option 2	S1	ENGR9710A Master Project (4.5/9 units)	Option – Year 2 topic***	ENGR9705 Engineering Work Experience ^ (4.5 units)	Year 2 Option topic**
	S2	ENGR9710B Master Project (4.5/9 units)	Option – Year 2 topic***	Option – Year 2 topic***	Year 2 Option topic**

Semester 2, 2020 start:

Year 1	S2	<b>ENGR8772</b> Sensors and Actuators GE (4.5 units)	<b>ENGR9742</b> Standards, Ethics and compliance (4.5 units)	<b>ENGR9704</b> Project Management and Innovation (4.5 units)	Year 1 Option Topic *
	S1	<b>ENGR9721</b> Control Systems GE (4.5 units)	<b>ENGR9781</b> Computer Organisation and Design GE (4.5 units)	<b>ENGR9821</b> Signal Processing GE (4.5 units)	Year 1 Option Topic *
	NS1	<b>ENGR3750</b> Workplace Preparation (0 units)			
Year 2 – Option 1	S2	<b>ENGR9700A</b> Masters Thesis (4.5/18 units) ^^	<b>ENGR9700B</b> Masters Thesis (4.5/18 units)	<b>ENGR9705</b> Engineering Work Experience ^ (4.5 units)	Year 2 Option topic**
	S1	<b>ENGR9700C</b> Masters Thesis (4.5/18 units)	<b>ENGR9700D</b> Masters Thesis (4.5/18 units)	Option – Year 2 topic***	Year 2 Option topic**
Year 2 -Option 2	S2	<b>ENGR9710A</b> Master Project (4.5/9 units)	Option – Year 2 topic***	<b>ENGR9705</b> Engineering Work Experience ^ (4.5 units)	Year 2 Option topic**
	S1	<b>ENGR9710B</b> Master Project (4.5/9 units)	Option – Year 2 topic***	Option – Year 2 topic***	Year 2 Option topic**

Key:	
Core Topic	Compulsory topic
Option Topic	A choice from a list of specified topics (see below)

<p><b>Year 1 Options *</b></p> <p>ENGR9771 Robotic Systems GE (4.5 units) S1            ENGR9831 Communication Systems GE (4.5 units) S1            ENGR8712 Automation and Industrial Control GE (4.5 units) S2            ENGR8802 Electrical Circuits and Machines Ge (4.5 units) S2</p>	<p><b>Option – Year 2 topics ***</b></p> <p>ENGR7711 Advanced Control Systems (4.5 units) S1            ENGR7731 Computer Architecture (4.5 units) S1            ENGR7732 Instrumentation (4.5 units) S2            ENGR7761 Image Processing (4.5 units) S1            ENGR7762 Renewable Energy Systems (4.5 units) S2            ENGR7812 Power Electronics (4.5 units) S2</p>
<p><b>Year 2 Option topics **</b></p> <p>ENGR7712 Autonomous Systems (4.5 units) S1            ENGR7731 Computer Architecture (4.5 units) S1            ENGR7732 Instrumentation (4.5 units) S2            ENGR7812 Power Electronics (4.5 units) S2            ENGR7851 Advanced Electronic Design (4.5 units) S1</p>	

^ Students who can demonstrate equivalent work experience may apply for credit. If the completed work experience is recorded as 0 units students may be granted an exemption from ENGR9405 (4.5 units) but will be required to take an alternative topic. It is recommended that students undertake their placement between November and February after the completion of year 1.

^^ The Masters Thesis can only be taken by students who have achieved a credit average on higher in the coursework topics completed for this degree. Students are advised to discuss thesis ideas with suitable supervisors before selecting this option. Note that students who wish to use their masters qualification to satisfy entry into a Flinders University research higher degree program are required to have completed an 18 units thesis.

Students who have already completed studies with considerable overlap with topics listed above should choose alternative topics in discussion with the Course Coordinator.