

2021 Study Plan Template

Master of Engineering (Biomedical)

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/meb>

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 2021](#)

Semester 1, 2021 start:

Year 1	S1	ENGR9721 Control Systems GE	ENGR9741 Physiological Measurement GE	Plus either: ENGR8771 Electronic Circuits (4.5 units) AND ENGR9821 Signal Processing OR ENGR8791 Mechanics and Structures Plus one of: ENGR8801 Fluid Mechanics ENGR9811 Solid Mechanics	
	NS1	ENGR3750 Workplace Preparation (0 units)			
	S2	ENGR8732 Biomechanics GE	ENGR8742 Biomechanical Instrumentation GE	ENGR9405 Engineering Work Experience ^	ENGR9704 Engineering Management
Year 2 – Option 1	S1	ENGR9700A Masters Thesis (4.5/18 units) ^^	ENGR9700B Masters Thesis (4.5/18 units)	ENGR7781 Innovation in Medical Devices	Option – Year 2 topics ^^^
	S2	ENGR9700C Masters Thesis (4.5/18 units)	ENGR9700D Masters Thesis (4.5/18 units)	ENGR9742 Systems Engineering	Option – Year 2 topics ^^^
Year 2 – Option 2	S1	ENGR9710A Master Project (4.5/9 units)	ENGR7781 Innovation in Medical Devices	Option – Year 2 topics ^^^	Option – Year 2 topics ^^^
	S2	ENGR9710B Master Project (4.5/9 units)	ENGR9742 Systems Engineering	Option – Year 2 topics ^^^	Option – Year 2 topics ^^^

Semester 2, 2021 start:

Year 1	S2	ENGR8732 Biomechanics GE	ENGR8742 Biomechanical Instrumentation GE	ENGR9742 Systems Engineering	ENGR9704 Engineering Management
	S1	ENGR9721 Control Systems GE (4.5 units)	ENGR9741 Physiological Measurement GE (4.5 units)	Plus either: ENGR8771 Electronic Circuits (4.5 units) AND ENGR9821 Signal Processing OR ENGR8791 Mechanics and Structures Plus one of: ENGR8801 Fluid Mechanics ENGR9811 Solid Mechanics	
	NS1	ENGR3750 Workplace Preparation (0 units)			
Year 2 – Option 1	S2	ENGR9700A Masters Thesis (4.5/18 units) ^^	ENGR9700B Masters Thesis (4.5/18 units)	ENGR9405 Engineering Work Experience ^ (4.5 units)	Option – Year 2 topics ^^^
	S1	ENGR9700C Masters Thesis (4.5/18 units)	ENGR9700D Masters Thesis (4.5/18 units)	ENGR7781 Innovation in Medical Devices (4.5 units)	Option – Year 2 topics ^^^
Year 2 – Option 2	S2	ENGR9710A Master Project (4.5/9 units)	ENGR9405 Engineering Work Experience ^	Option – Year 2 topics ^^^	Option – Year 2 topics ^^^
	S1	ENGR9710B Master Project (4.5/9 units)	ENGR7781 Innovation in Medical Devices	Option – Year 2 topics ^^^	Option – Year 2 topics ^^^

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

<p>^^^ Option – Year 2 topics</p> <p>ENGR7701 Advanced Biomechanics (4.5 units)</p> <p>ENGR7702 Biomaterials (4.5 units)</p> <p>ENGR7707 Medical Physics (4.5 units)</p> <p>ENGR7711 Advanced Control Systems (4.5 units)</p> <p>ENGR7771 Rehabilitation and Assistive Technologies (4.5 units)</p> <p>ENGR7961 Finite Element Methods (4.5 units)</p> <p>MMEDxxxx MMED topics with approval from the Course Coordinator (4.5 units)</p>
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^ 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. 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 unit thesis.

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