

2021 Study Plan Template

Master of Engineering (Civil)

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/mec>

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	NS1	ENGR3750 Workplace Preparation (0 units)			
	S1	ENGR8861 Structural Engineering 2 GE	ENGR8931 Geotechnical Engineering GE	ENGR8951 Hydraulics and Water Engineering GE	ENGR8971 Transport Systems Engineering GE
	S2	ENGR8922 Civil Engineering Design GE	ENGR9704 Engineering Management	Year 1 option topics ^ (4.5 units)	Year 1 option topics ^ (4.5 units)
Year 2 – Option 1	S1	ENGR9700A ** Masters Thesis (4.5/18 units)	ENGR9700B Masters Thesis (4.5/18 units)	ENGR7951 Advanced Infrastructure Design: Transport and Structural Engineering	ENGR9405 Engineering Work Experience
	S2	ENGR9700C Masters Thesis (4.5/18 units)	ENGR9700D Masters Thesis (4.5/18 units)	ENGR9742 Engineering Management	ENGR7872 Advanced Infrastructure Design: Geotechnical and Water Engineering
Year 2 – Option 2	S1	ENGR9710A Master Project (4.5/9 units)	ENGR7951 Advanced Infrastructure Design: Transport and Structural Engineering	ENGR9405 Engineering Work Experience	Option – Year 2 topics ^
	S2	ENGR9710B Master Project (4.5/9 units)	ENGR9742 Engineering Management	ENGR7872 Advanced Infrastructure Design: Geotechnical and Water Engineering	Option – Year 2 topics ^^

Semester 2, 2021 start:

Year 1	S2	ENGR8922 Civil Engineering Design GE	ENGR9704 Engineering Management	Year 1 option topics ^ (4.5 units)	Year 1 option topics ^ (4.5 units)
	NS1	ENGR3750 Workplace Preparation (0 units)			
	S1	ENGR8861 Structural Engineering 2 GE	ENGR8931 Geotechnical Engineering GE	ENGR8951 Hydraulics and Water Engineering GE	ENGR8971 Transport Systems Engineering GE
Year 2 – Option 1	S2	ENGR9700A ** Masters Thesis (4.5/18 units) ^^	ENGR9700B Masters Thesis (4.5/18 units)	ENGR7872 Advanced Infrastructure Design: Geotechnical and Water Engineering)	ENGR9742 Engineering Management
	S1	ENGR9700C Masters Thesis (4.5/18 units)	ENGR9700D Masters Thesis (4.5/18 units)	ENGR9405 Engineering Work Experience	ENGR7951 Advanced Infrastructure Design: Transport and Structural Engineering
Year 2 – Option 2	S2	ENGR9710A Master Project (4.5/9 units)	ENGR9742 Engineering Management	ENGR7872 Advanced Infrastructure Design: Geotechnical and Water Engineering	Option – Year 2 topics ^^
	S1	ENGR9710B Master Project (4.5/9 units)	ENGR7951 Advanced Infrastructure Design: Transport and Structural Engineering	ENGR9405 Engineering Work Experience (4.5 units)	Option – Year 2 topics ^

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

<p>^ Option – Year 1 and 2 topics</p> <p>EASC8702 Global Climate Change GE (4.5 units) S2</p> <p>EASC8732 Geological Processes GE (4.5 units) S2</p> <p>EASC9772 Physical Hydrogeology GE (4.5 units) S1/DE</p> <p>ENGR7742 Advanced Concrete Design and Analysis (4.5 units) S2</p> <p>ENGR7772 Transport Planning and Modelling (4.5 units) S2</p> <p>ENGR7941 Advanced Foundation Design and Analysis (4.5 units) S1</p> <p>ENGR7961 Finite Element Methods (4.5 units) S1</p> <p>ENGR8841 Hydrostatics (4.5 units) S1</p> <p>GEOG8040 Environmental Impact Assessment GE (4.5 units) S1</p> <p>STEM8002 Introduction to Geographical Information Systems GE (4.5 units) S1/S2</p> <p>STEM8004 Modelling in space and Time, Geostatistics and GIS GE (4.5 units) S1</p> <p>STEM8007 Advanced Geographical Information Systems GE (4.5 units) S1</p>

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ENGR7742 Advanced Concrete Design and Analysis (4.5 units) S2

ENGR7772 Transport Planning and Modelling (4.5 units) S2

ENGR7941 Advanced Foundation Design and Analysis (4.5 units) S1

ENGR8841 Hydrostatics (4.5 units) S1

*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.