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College of Science & Engineering

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2021 Study Plan Template

Bachelor of Engineering (Civil) (Honours)

Please note that this document is provided as a guide only. Students are responsible for ensuring that they have completed 144 units of study according to the official course rule available at https://students.flinders.edu.au/my-course/course-rules/undergrad/bengch

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**	**ENGR1721** Engineering Programming	**ENGR1711** Engineering Design	**ENGR1732** Engineering Mechanics	**MATH1121** Mathematics 1A
	S2	**ENGR1201** Electronics	**ENGR1401** Professional Skills	**ENGR1722** Engineering Physics and Materials	**MATH1122** Mathematics 1B
Year 2	**S1**	**ENGR2711** Engineering Mathematics	**ENGR2741** Mechanics and Structures	**ENGR2751** Fluid Mechanics	**ENGR2821** Infrastructure Systems Engineering
	S2	**ENGR2822** Civil Engineering Design	**ENGR2832** Engineering Geology and Geomechanics	**ENGR2842** Structural Engineering 1	**STEM1002** Introduction to Geographical Information Systems
Year 3	**S1**	**ENGR3831** Geotechnical Engineering	**ENGR3841** Structural Engineering 2	**ENGR3871** Transport Systems Engineering	**ENGR3851** Hydraulics and Water Engineering
	NS1	**ENGR3750** Workplace Preparation (0 units)			
	S2	**ENGR3704** Project Management for Engineering and Science (NS2)	**ENGR3700** Engineering Practicum (13.5 units) **OR** **ENGR3710** International Engineering Practicum (13.5 units)		
Year 4	**S1**	**ENGR7700A** Honours Thesis (4.5/18 units)	**ENGR7700B** Honours Thesis (4.5/18 units)	**ENGR7951** Advanced Infrastructure Design: Transport and Structural Engineering	**Year 4 Option Topic ^** (4.5 units)
	S2	**ENGR7700C** Honours Thesis (4.5/18 units)	**ENGR7700D** Honours Thesis (4.5/18 units)	**ENGR7872** Advanced Infrastructure Design: Geotechnical and Water Engineering	**ENGR9742** Systems Engineering

Semester 2, 2021 start:

Year 1	**S2**	**ENGR1201** Electronics	**ENGR1401** Professional Skills	**ENGR1722** Engineering Physics and Materials	**MATH1121** Mathematics 1A
	S1	**ENGR1721** Engineering Programming	**ENGR1711** Engineering Design	**ENGR1732** Engineering Mechanics	**MATH1122** Mathematics 1B
Year 2	**S2**	**ENGR2822** Civil Engineering Design	**ENGR2832** Engineering Geology and Geomechanics	**ENGR2842** Structural Engineering	**STEM1002** Introduction to Geographical Information Systems
	S1	**ENGR2711** Engineering Mathematics	**ENGR2741** Mechanics and Structures	**ENGR2751** Fluid Mechanics	**ENGR2821** Infrastructure Systems Engineering
Year 3	**S2**	**ENGR3704** Project Management for Engineering and Science (NS2)	**ENGR3700** Engineering Practicum (13.5 units) **OR** **ENGR3710** International Engineering Practicum (13.5 units)		
	NS1	**ENGR3750** Workplace Preparation (0 units)			
	S1	**ENGR3831** Geotechnical Engineering	**ENGR3841** Structural Engineering 2	**ENGR3871** Transport Systems Engineering	**ENGR3851** Hydraulics and Water Engineering
Year 4	**S2**	**ENGR7700A** Honours Thesis (4.5/18 units)	**ENGR7700B** Honours Thesis (4.5/18 units)	**ENGR7872** Advanced Infrastructure Design: Geotechnical and Water Engineering	**ENGR9742** Systems Engineering
	S1	**ENGR7700C** Honours Thesis (4.5/18 units)	**ENGR7700D** Honours Thesis (4.5/18 units)	**ENGR7951** Advanced Infrastructure Design: Transport and Structural Engineering	**Year 4 Option Topic ^** (4.5 units)

Key:

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

^ Year 4 Option topic

ENGR7941 Advanced Foundation Design and Analysis (S1 Only)
ENGR7961 Finite Element Methods (S1 only)
ENGR8841 Hydrostatics (S1 only)
ENGR7742 Advanced Concrete Analysis and Design (S2 only)
ENGR7772 Transport Planning and Modelling (S2 only)
ENGR7891 Fatigue and Fracture Analysis (S2 only)
EASCXXXX Earth Sciences (EASC) topics with approval from the Course Coordinator
ENVSXXXX Environmental Studies (ENVS) topics with approval from the Course Coordinator
STEMXXXX Science Technology Engineering and Mathematics (STEM) topics with approval from the Course Coordinator
With permission from the Course Coordinator eligible students may enrol in Advanced Studies for Engineering.