

2020 Study Plan Template

Bachelor of Engineering (Electrical) (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/bengelh>

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	S1	ENR1401 Professional Skills	ENGR1711 Engineering Design	ENGR1732 Engineering Mechanics	MATH1121 Mathematics 1A
	S2	ENGR1201 Professional Skills	ENGR1721 Engineering Programming	ENGR1722 Engineering Physics and Materials	MATH1122 Mathematics 1B
Year 2	S1	COMP2711 Computer Programming 2	ENGR2711 Engineering Mathematics	ENGR2731 Electronic Circuits	ENGR2791 Electrical Engineering Principles
	S2	ENGR2702 Electrical Circuits and Machines	ENGR2712 Automation and Industrial Control	ENGR2722 Analysis of Engineering Systems	ENGR2772 Sensors and Actuators
Year 3	S1	ENGR2861 Electromagnetics and Electromagnetic Waves	ENGR3711 Control Systems	ENGR3861 Electrical Energy Systems	ENGR7821 Electrical Power Systems
	NS1	ENGR3750 Project Management for Engineering and Science (0 units)			
	S2	ENGR3704 Project Management for Engineering and Science	ENGR3700 Engineering Practicum 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)	Year 4 Option Topic [^]	Year 4 Option Topic [^]
	S2	ENGR7700C Honours Thesis (4.5/18 units)	ENGR7700D Honours Thesis (4.5/18 units)	ENGR7762 Renewable Energy Systems	ENGR9742 Standards, Ethics and Compliance

Semester 2, 2020 start:

Year 1	S2	ENGR1201 Electronics	ENGR1721 Engineering Programming	ENGR1722 Engineering Physics and Materials	MATH1121 Mathematics 1A
	S1	ENGR1401 Professional Skills	ENGR1711 Engineering Design	ENGR1732 Engineering Mechanics	MATH1122 Mathematics 1B
Year 2	S2	ENGR2702 Electrical Circuits and Machines	ENGR2712 Automation and Industrial Control	ENGR2722 Analysis of Engineering Systems	ENGR2772 Sensors and Actuators
	S1	COMP2711 Computer Programming 2	ENGR2711 Engineering Mathematics	ENGR2731 Electronics Circuits	ENGR2791 Electrical Engineering Principles
	NS1	ENGR3750 Workplace Preparation (0 units)			
Year 3	S2	ENGR3704 Project Management for Engineering and Science	ENGR3700 Engineering Practicum or ENGR3710 International Engineering Practicum (13.5 units)		
	S1	ENGR2861 Electromagnetics and Electromagnetic Waves	ENGR3711 Control Systems	ENGR3861 Electrical Energy Systems	ENGR7821 Electrical Power Systems
Year 4	S2	ENGR7700A Honours Thesis (4.5/18 units)	ENGR770B Honours Thesis (4.5/18 units)	ENGR7762 Renewable Energy Systems	ENGR9742 Standards, Ethics and Compliance
	S1	ENGR7700C Honours Thesis (4.5/18 units)	ENGR7700D Honours Thesis (4.5/18 units)	Year 4 Option Topic^	Year 4 Option Topic^

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

<p>Year 4 Option Topics^</p> <p>ENGR7711 Advanced Control Systems (S1 only)</p> <p>ENGR7961 Finite Element Methods (S1 only)</p> <p>MATH7707 Optimisation (S1 only)</p> <p>ENGR7732 Instrumentation (S2 only)</p> <p>ENGR7812 Power Electronics (S2 only)</p>
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