

2021 Study Plan Template

Bachelor of Engineering (Software) (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/bengsh>

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	COMP1002 Fundamentals of Computational Intelligence	COMP1102 Computer Programming 1	COMP1712 Software Engineering Principles and Practice	MATH1121 Mathematics 1A	
	S2	COMP1711 Database Modelling and Knowledge Engineering	ENGR1201 Electronics	ENGR1401 Professional Skills	MATH1122 Mathematics 1B	
Year 2	S1	ENGR2711 Engineering Mathematics	ENGR1711 Engineering Design	ENGR2881 Computer Networks	Year 2 Option Topic ^: Electronics based (9 units) OR Computing based (9 units)	
	S2	COMP2812 Operating Systems	COMP2711 Computer Programming 2	ENGR2792 Software Engineering 2		
Year 3	S1	COMP3712 Computer Programming 3	COMP3781 Cybersecurity	ENGR3791 Software Engineering 3	Year 3 Option Topic ^^ Electronics based (4.5 units) OR Computing based (4.5 units)	
	NS1	ENGR3750 Workplace Preparation (0 units)				
	S2	ENGR3704 Project Management for Engineering and Science	ENGR3700 Engineering Practicum (13.5 units) OR ENGR3710 International Engineering Practicum (13.5 units)			

Year 4	S1	ENGR7791 Software Engineering 4	ENGR7700A Honours Thesis (4.5/18 units)	ENGR7700B Honours Thesis (4.5/18 units)	Year 4 Option topic ^^^ (4.5 units)
	S2	ENGR9742 Systems Engineering	ENGR7700C Honours Thesis (4.5/18 units)	ENGR7700D Honours Thesis (4.5/18 units)	Year 4 Option topic ^^^ (4.5 units)

Semester 2, 2021 start:

Year 1	S2	COMP1711 Database Modelling and Knowledge Engineering	ENGR1201 Electronics	ENGR1401 Professional Skills	MATH1121 Mathematics 1A
	S1	COMP1002 Fundamentals of Computational Intelligence	COMP1102 Computer Programming 1	COMP1712 Software Engineering Principles and Practice	MATH1122 Mathematics 1B
Year 2	S2	COMP2812 Operating Systems	ENGR2711 Engineering Mathematics	ENGR2792 Software Engineering 2	Year 2 Option Topic ^: Electronics based (9 units)
	S1	COMP2711 Computer Programming 2	ENGR1711 Engineering Design	ENGR2881 Computer Networks	OR Computing based (9 units)
	NS1	ENGR3750 Workplace Preparation (0 units)			
Year 3	S2	ENGR3704 Project Management for Engineering Science	ENGR3700 Engineering Practicum (13.5 units) OR ENGR3710 International Engineering Practicum (13.5 units)		
	S1	COMP3712 Computer Programming 3	COMP3781 Cybersecurity	ENGR3791 Software Engineering 3	Year 3 Option Topic ^^ Electronics based (4.5 units) OR Computing based (4.5 units)
Year 4	S2	ENGR9742 Systems Engineering	ENGR7700A Honours Thesis (4.5/18 units)	ENGR7700B Honours Thesis (4.5/18 units)	Year 4 Option topic ^^^ (4.5 units)
	S1	ENGR7791 Software Engineering 4	ENGR7700C Honours Thesis (4.5/18 units)	ENGR7700D Honours Thesis (4.5/18 units)	Year 4 Option topic ^^^ (4.5 units)

Key:	
Core Topic	Compulsory topic
Option Topic	A choice from a list of specified topics (see below)
<p>^ENGR Year 2 Option Topics:</p> <p>Electronics based ENGR2721 Microprocessors (4.5 units) (S1) ENGR2722 Analysis of Engineering Systems (4.5 units) (S2)</p> <p>Computing based COMP2772 Web-based Systems Development (4.5 units) (S2) COMP2781 Computer Mathematics (4.5 units) (S1)</p>	
<p>^^ENGR Year 3 Option Topics:</p> <p>Electronics based ENGR3701 Computer Organisation and Design (S1)</p> <p>Computing based COMP3751 Interactive Computer Systems (4.5 units) (S1) OR COMP3771 Advanced Database (4.5 unit) (S1)</p>	
<p>^^^ENGR Year 4 Option Topics:</p> <p>COMP7701 Advanced Enterprise Security (4.5 units) COMP7707 Advanced Data Mining (4.5 units) COMP7716 Information Retrieval and Language Technology (4.5 units) COMP8715 Heuristic Optimisation GE (4.5 units) ENGR7761 Image Processing (4.5 units)</p>	