

2019 Study Plan Template

Bachelor of Science (Physics)

Please note that this document is provided as a guide only. Students are responsible for ensuring that they have completed 108 units of study according to the official Bachelor of Science (Physics) course rule available at <http://www.flinders.edu.au/courses/rules/undergrad/bscs/bscs-phys.cfm>.

Students are responsible for planning their Core, Option and Elective 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 <http://www.flinders.edu.au/topic>.

Semester 1, 2019 start:

Year 1	S1	MATH1121 Mathematics 1A (4.5 units)	PHYS1101 Fundamental Physics I (4.5 units)	SPOC1701 The Nature of Science I (4.5 units)	CHEM Year 1 Option *** Select one topic from list below (4.5 units)	
	S2	MATH1122 Mathematics 1B (4.5 units)	PHYS1102 Fundamental Physics II (4.5 units)	^Elective (4.5 units)	^Elective (4.5 units)	
Year 2	S1	MATH2702 Linear Algebra and Differential Equations (4.5 units)	MATH2711 Several Variable Calculus (4.5 units)	PHYS2701 Quantum Concepts (4.5 units)	PHYS2702 Classical Physics (4.5 units)	
	S2	MATH2722 Numerical Analysis (4.5 units)	PHYS2712 Thermodynamics and Energy Systems (4.5 units)	^Elective (4.5 units)	^Elective (4.5 units)	
Year 3	S1	ENGR2861 Electromagnetics and Electromagnetic Waves (4.5 units)	PHYS3711 Quantum Physics (4.5 units)	^Elective (4.5 units)	MATH Option # Select one topic from list below (4.5 units) (S1 or S2)	^Elective (4.5 units) (S1 or S2)
	S2	MATH3712 Partial Differential Equations (4.5 units)	PHYS3701 Nuclear and Statistical Physics (4.5 units)	PHYS3702 Solid State Physics and Optoelectronics (4.5 units)		

Semester 2, 2019 start (to complete in 3 years):

Year 1	S2	MATH1121 Mathematics 1A (4.5 units)	CHEM Year 1 Option *** Select one topic from list below (4.5 units)	^Elective (4.5 units)	^Elective (4.5 units)
	SU	MATH1122 Mathematics 1B (4.5 units)			
	S1	PHYS1101 Fundamental Physics I (4.5 units)	SPOC1701 The Nature of Science I (4.5 units)	MATH2702 Linear Algebra and Differential Equations (4.5 units)	MATH2711 Several Variable Calculus (4.5 units)
Year 2	S2	PHYS1102 Fundamental Physics II (4.5 units)	MATH2722 Numerical Analysis (4.5 units)	MATH3712 Partial Differential Equations (4.5 units)	MATH Option # Select one topic from list below (4.5 units) (S1 or S2)
	S1	PHYS2701 Quantum Concepts (4.5 units)	PHYS2702 Classical Physics (4.5 units)	ENGR2861 Electromagnetics and Electromagnetic Waves (4.5 units)	
Year 3	S2	PHYS2712 Thermodynamics and Energy Systems (4.5 units)	PHYS3701 Nuclear and Statistical Physics (4.5 units)	PHYS3702 Solid State Physics and Optoelectronics (4.5 units)	^Elective (4.5 units)
	S1	PHYS3711 Quantum Physics (4.5 units)	^Elective (4.5 units)	^Elective (4.5 units)	

Key:	
Core Topic	Compulsory topic
Option Topic	A choice from a list of specified topics (see below)
^Elective Topic	Any topic offered by the University at the appropriate year level, provided entry and course requirements are met and that no more than 45 units of First Year topics are included in the 108-unit program. Please refer to the course rule for a list of recommended electives.

*** CHEM Year 1 Option Topics: CHEM1101 Chemical Structure and Bonding (4.5 units) CHEM1201 General Chemistry (4.5 units)	# MATH Year 3 Option Topics: MATH3702 Methods of Applied Mathematics (4.5 units) (S1) MATH3711 Complex Analysis (4.5 units) (S2)
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