

## Bachelor of Science (Physics)

Useful study planning/enrolment resources:

[Subject Search](#)

[Academic Calendars](#)

[Class Registration](#)

[Enrolment Resources](#)

The information in the study planner is current at the time of creation may be subject to future change.

If you would prefer a part-time study plan, please adjust the below study planner; reviewing subject prerequisites to ensure you are on track for course completion.

		TEACHING PERIOD 2	
		2022	Study Period 2
Study Period 2	MA1020:03 Preparatory Mathematics <b>OR</b> Select 3 credit points of any level 1, 2, 3 or 5 subjects (if completed high school level Maths Methods or equivalent)		
Study Period 2	Elective <b>OR</b> Second Major Subject (Depending on chosen structure)		
Study Period 2	Elective <b>OR</b> Second Major Subject (Depending on chosen structure)		

		TEACHING PERIOD 1	TEACHING PERIOD 2
<b>2023</b>	Study Period 1	SC1101:03 Science, Technology and Truth	Study Period 2 SC1102:03 Modelling Natural Systems <i>PREREQ: MA1020 or MA0020 or Senior Mathematics or equivalent</i> <b>OR</b> SC1109:03 Modelling Natural Systems - Advanced <i>PREREQ: MA1000 or MA1009</i>
	Study Period 1	<b>List 1</b> MA1000:03 Mathematical Foundations <i>PREREQ: MA1020 or Mathematics B or Mathematics C</i> (Students in this major must choose this subject from List 1 (Breadth Subjects))	<b>List 1</b> MA1003:03 Mathematical Techniques <i>PREREQ: MA1000 or MA1011 or MA1009</i> (Students in this major must choose this subject from List 1 (Breadth Subjects))
	Study Period 1	<b>Major</b> PH1005:03 Advanced Stream Physics 1 <i>PREREQ: Mathematics B or MA1020 or MA1000 or MA1008</i>	<b>Major</b> PH1007:03 Advanced Stream Physics 2 <i>PREREQ: ((Mathematics B or equivalent or MA1020) and PH1005) or (Senior Physics and Mathematics C)</i>
	Study Period 1	Elective <b>OR</b> Second Major Subject (Depending on chosen structure)	Elective <b>OR</b> Second Major Subject (Depending on chosen structure)

		TEACHING PERIOD 1	TEACHING PERIOD 2
<b>2024</b>	Study Period 1	SC2202:03 Quantitative Methods in Science <i>PREREQ: SC1102 or MA1020 or MA1000 or Mathematics B or equivalent</i> <b>OR</b> SC2209:03 Quantitative Methods in Science - Advanced <i>PREREQ: SC1109 and MA1003 plus 6 credit points of any level 1 subjects</i>	Study Period 2 <b>Major</b> PH2240:03 Atomic and Nuclear Physics <i>PREREQ: PH2002 and MA1003</i>
	Study Period 1	<b>List 2</b> MA2000:03 Mathematics for Scientists and Engineers (Students in this major must choose this subject from List 2 (Skill Subjects))	<b>Major</b> PH3002:03 Quantum Physics 2 <i>PREREQ: MA2000 and PH2002</i>
	Study Period 1	<b>Major</b> PH2002:03 Classical Mechanisms and Quantum Physics 1 <i>PREREQ: MA1003 and PH1005 and (PH1006 or PH1007 or (EG1012 and EG1011))</i>	Elective <b>OR</b> Second Major Subject (Depending on chosen structure)
	Study Period 1	<b>Major</b> PH2019:03 Introduction to Electromagnetism Optics and Early Quantum <i>PREREQ: (EG1012 or PH1005) and MA1003</i>	Elective <b>OR</b> Second Major Subject (Depending on chosen structure)

TEACHING PERIOD 1	
2025	Study Period 1 SC3008:03 Professional Placement <i>PREREQ: 12 credit points of second-year subjects and be enrolled in their final year of study within the College of Science and Engineering</i> <b>OR</b> SC5008:03 Professional Placement <b>OR</b> SC3901:03 Special Topic 1
	Study Period 1 <b>Major</b> PH3008:03 Statistical Mechanics and Transport <i>PREREQ: PH2019 and PH2002 and MA2000</i>
	Study Period 1 <b>Major</b> PH3019:03 Electromagnetic Phenomena <i>PREREQ: MA2000 and PH2019</i>
	Study Period 1 Elective <b>OR</b> Second Major Subject (Depending on chosen structure)

#### ADDITIONAL INFORMATION

Prior approval required from subject coordinator to enrol in either:

- SC5008:03 Professional Placement; or
- SC3901:03 Special Topic 1

#### COURSE HANDBOOK

[2022 Bachelor of Science](#)