



Australia's
Global
University

UNSW Science Bachelor of Science Major in Physics

Studying physics at UNSW

At UNSW, we specialise in research in astrophysics, quantum physics and theoretical physics, and we also conduct research in music acoustics and biophysics. You'll be taught by leading researchers and may have the opportunity to conduct your own projects with them.

The Physics major concentrates on the fundamental areas of physics and mathematics in the first years of your degree, to provide a strong foundation, whatever your interests. You have the opportunity to specialise through electives in the upper years.

Double majors and majors/minors

Within the Bachelor of Science, students have to take at least one major. Students have the option to take a double major (for example, in Physics and Mathematics; or Physics and Chemistry) or a minor in another Science to complement your Physics major. You should be aware that completing a minor or second major may involve extra time and cost to complete, and may have visa implications for international students.

Which degrees feature the Physics major?

The Bachelor of Science, Bachelor of Science (International) and Bachelor of Science and Business have the option of choosing a Physics major. You can also take the following double degree combinations with Science:

- Science/Fine Arts
- Science/Arts
- Science/Social Research and Policy
- Science/Education (Secondary)
- Science/Music
- Science/Economics
- Science/Commerce
- Science/Actuarial Studies
- Science/Engineering
- Science/Computer Science
- Science/Law
- Science and Business / Law

This is a degree outline example of a Bachelor of Science with a major in Physics.
A full-time student will study eight courses each year in order to complete their degree in the minimum time.

Bachelor of Science with a major in Physics degree outline starting from Term 1

YEAR 1			
Term 1	MATH1131 Mathematics 1A (or MATH1141)	PHYS1121 Physics 1A (or PHYS1131 or PHYS1141)	6 UOC course
Term 2	MATH1231 Mathematics 1B (or MATH1241)	6 UOC course	
Term 3	MATH2069 Mathematics 2A	PHYS1221 Physics 1B (or PHYS1231 or PHYS1241)	6 UOC course
YEAR 2			
Term 1	MATH2089 Numerical Methods and Statistics	PHYS2111 Quantum Physics	6 UOC course
Term 2	PHYS2114 Electromagnetism	6 UOC course	6 UOC course
Term 3	6 UOC course	6 UOC course	
YEAR 3			
Term 1	PHYS3112 Experimental and Computational Physics	PHYS3113 Thermal Physics & Statistical Mechanics	6 UOC course
Term 2	PHYS3111 Quantum Mechanics	Physics Elective*	6UOC course
Term 3	Physics Elective*	6UOC course	

*Physics Electives may be chosen from: PHYS2113 Classical Mechanics and Special Relativity | PHYS2801 Atmospheric Science | PHYS3115 Particle Physics and the Early Universe | PHYS3114 Electrodynamics | PHYS3116 Astrophysics | PHYS3117 Physics Laboratory | PHYS3118 Quantum Physics of Solids and Devices

Compulsory courses

For more information, go to:
unsw.to/sciencedegrees

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UNSW Science

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