PHYS + **MATH**: DOUBLE MAJOR EXAMPLE*

Recommended for careers in physics research or academia, astronomy, astrophysics



YEAR 1

T1	PHYS 145 15 points Practical Skills for Scientists: Applications in Physics	PHYS 101 15 points Introduction to Physics * may be required for PHYS142/MATH142	MATH 161 15 points Discrete Mathematics and Logic	Elective: STAT193 Or COMP102 Or SPCE101
T2	PHYS 142 15 points Calculus-based physics	MATH 151 15 points Algebra	MATH 142 15 points Calculus 1B	Elective: COMP103, COMP132, MATH177, at least one COMP100 in year 1

YEAR 2

T1	PHYS 243 15 points Classical Mechanics and Relativity	PHYS 245 15 points Methods of Experimental Physics	MATH 244 15 points Ordinary Differential Equations	MATH 277 15 points Mathematical Statistics
T2	PHYS 241 15 points Quantum Mechanics and Kinetic Theory	PHYS 242 15 points Electromagnetism I	MATH 243 15 points Multivariable Calculus	MATH 251 15 points Linear Algebra

YEAR 3

T1	PHYS 305 15 points	PHYS 307 15 points	MATH 301 15 points	Elective:
	Thermal and Statistical Physics	Quantum Physics	Partial Differential Equations	MATH309 Or MATH311
T2	PHYS 304 15 points Electromagnetism and Wave Optics	PHYS 345 15 points Advanced Methods of Experimental Physics	MATH 321 15 points Introduction to Applied Mathematics	Elective: MATH324 or MATH361 or MATH381

^{*:} For full details on degree requirements visit: https://www.wgtn.ac.nz/explore/degrees/science/requirements?major=physics&otherMajor=mathematics