

PHYSICS – MINOR (SCIENCE)

PHYS-Z

Subject: Administered by the Department of Physics, Engineering Physics and Astronomy.

Plan: Consists of 48.0 units as described below.

Program: The Plan, in combination with a Major plan in another subject, and with sufficient electives, will lead to an Honours Bachelors Degree.

Code	Title	Units
1. Core		
A. Complete the following:		
PHYS 104	Fundamental Physics	6.00
	or PHYS 106 General Physics	
B. Complete the following:		
PHYS 206	Dynamics	3.00
PHYS 212	Vibrations and Waves	3.00
PHYS 213	Computational Methods in Physics	3.00
PHYS 239	Electromagnetism	3.00
PHYS 242	Relativity and Quanta	3.00
PHYS 250	Foundations of Experimental Physics	3.00
C. Select 6.00 units from the following:		
PHYS 344	Introduction to Quantum Mechanics	6.00
PHYS 372	Thermodynamics	
2. Option		
A. Select 6.00 units from the following:		
PHYS 216	Introduction to Astrophysics	6.00
	PHYS at the 300 level or above	
3. Supporting		
A. Select 6.00 units from the following:		
MATH 120	Differential and Integral Calculus	6.00
MATH 121	Differential and Integral Calculus	
MATH 123	Differential and Integral Calculus I & MATH 124 and Differential and Integral Calculus II	
B. Complete the following:		
MATH 221	Vector Calculus	3.00
	or MATH 280 Advanced Calculus	
Select one of the following:		
MATH 225	Ordinary Differential Equations	3.00
MATH 231	Differential Equations	
Total Units		48.00

4. Notes

A. When used towards the requirements of a B.Sc. Program, a total of 48.0 units, including the Plan units, must be in the physical and natural sciences or mathematics.

B. A maximum of 6.0 units from courses offered by other Faculties and Schools may be counted toward the program and/or Plan Requirements. This includes courses in BMED, COMM, GLPH, LAW, NURS and courses in the Faculty of Engineering and Applied Science.