



# ASTROPHYSICS – SPECIALIZATION (SCIENCE) – BACHELOR OF SCIENCE (HONOURS)

PHYSICS

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

Consists of 90.00 units as described below.

The Plan, together with sufficient electives to total  
120.00 units, will lead to a Bachelor of Science (Honours)  
Degree.

Requirements for this program have been modified.

Please consult the 2023-2024 (<https://queensu-ca-public.courseleaf.com/archive/2023-2024/>) *Calendar* for the  
previous requirements.

PHYS 104	Fundamental Physics	
PHYS 105	General Physics	
MAT 110	Linear Algebra	
MAT 112	Introduction to Linear Algebra	
MAT 120	Differential and Integral Calculus	
or		
MAT 121	Differential and Integral Calculus	
or		
MAT 123	Differential and Integral Calculus I & MATH 124 and Differential and Integral Calculus II	
PHYS 206	Dynamics	3.00
PHYS 202	Vibrations and Waves	3.00
PHYS 203	Computational Methods in Physics	3.00
PHYS 206	Introduction to Astrophysics	3.00
PHYS 209	Electromagnetism	3.00
PHYS 202	Relativity and Quanta	3.00
PHYS 260	Foundation of Experimental Physics	2.00
CH 101	General Chemistry I	3.00
MAT 221	Vector Calculus	
MAT 280	Advanced Calculus	