



# Physics Major

Total Credits: 53

REQUIRED PHYSICS COURSES (35 CREDITS)		Term	Credits	Resid
Subj/Course #	Title			(O/R)
PHY 1051	General Physics 1, Fall		4	
PHY 1052	General Physics 2, Spring		4	
PHY 2051	General Physics 3, Fall		4	
PHY 2052	General Physics 4, Spring		4	
PHY 5321	Electromagnetic Theory		3	
PHY 5221	Classical Mechanis		3	
PHY 5810	Advanced Physics Lab		3	
PHY 5510	Statistical Thermodynamics		3	
PHY 5621	Intro to Quantum Mechanics		3	
PHY 4935	Physics Colloquium		1	
*PHY 2550	Physics Computer Programming		3	

PHYSICS ELECTIVES (6 CREDITS)				
PHY ELECT #1			3	
PHY ELECT #2			3	

REQUIRED MATH COURSES (12 CREDITS)				
MAT 1412	Calculus 1		4	
MAT 1413	Calculus 2		4	
MAT 1510	Multivariable Calculus		4	

Notes:

\* PHY 2550 can be replaced, with permission by the department, by ENGR 5301, PHY 5301, or equivalent

1. Up to 12 credits can be used towards an MA in Physics at YU.
2. 60% of this major must be taken at Yeshiva College
3. Major/Minor courses require a grade of a "C-" or better to fulfill its requirement

Updated July 2024