

Major:			Math & Physics			NYU Website:		
Freshman Year								
Fall Semester			Spring Semester			Summer Semester		
Course No.	Course Name	Credits	Course No.	Course Name	Credits	Course No.	Course Name	Credits
PH-UY 1002	Physics: The Genesis of Technology	2	PH-UY 1013	Mechanics	3			
MA-UY 1024	Calculus I for Engineers	4	CM-UY 1024	General Chemistry II	4			
CM-UY 1004	General Chemistry for Engineers	4	CS-UY 1114	Intro to Programming & Problem Solving	4			
EXPOS-UA 1	Writing the Essay	4	EXPOS-UA 2	The Advanced College Essay	4			
EG-UY 1001	Engineering & Technology Forum	1						
Total Credits			Total Credits			Total Credits		
Sophomore Year								
Fall Semester			Spring Semester			Summer Semester		
Course No.	Course Name	Credits	Course No.	Course Name	Credits	Course No.	Course Name	Credits
PH-UY 2121	General Physics Lab I	1	PH-UY 2131	General Physics Lab II	1			
PH-UY 2023	Electricity, Magnetism, and Fluids	3	PH-UY 2033	Waves, Optics & Thermodynamics	3			
PH-UY 2104	Analytical Mechanics	4	MA-UY 2114	Calculus III: Multi-Dimensional Calculus	4			
MA-UY 2034	Linear Algebra & Differential Equations	4		Humanities & Social Sciences Elective	4			
	Humanities & Social Sciences Elective	4	MA 2/3/4**4	Math Elective	3			
Total Credits			Total Credits			Total Credits		
Junior Year								
Fall Semester - NYU			Spring Semester - NYUSH			Summer Semester		
Course No.	Course Name	Credits	Course No.	Course Name	Credits	Course No.	Course Name	Credits
PH-UY 2344	Intro to Modern & Solid State Physics	4	PH 2/3/4**4	PH Elective	4			
MA-UY 3113	Advanced Linear Algebra & Complex Variables	3	PHYS-SHU 251	Electricity & Magnetism	4			
MA-UY 2224	Data Analysis	4	MA 2/3/4**4	Math Elective	4			
CM-GY 5040	Chemical Laboratory Safety	0		Humanities & Social Sciences Elective	4			
	Humanities & Social Sciences Elective	4						
	Free Elective	3						
Total Credits			Total Credits			Total Credits		
Senior Year								
Fall Semester			Spring Semester			Summer Semester		
Course No.	Course Name	Credits	Course No.	Course Name	Credits	Course No.	Course Name	Credits
PH-UY 4364	Intro to the Quantum Theory	4	PH-UY 4124	Thermodynamics & Statistical Physics	4			
PH-UY 4902	Intro to Senior Project in Physics	2	PH-UY 4904	Senior Project in Physics	4			
	OR			OR				
MA 3/4**2	Math Elective	2	MA-UY 3914	Senior Project	4			
PH-UY 4912	Senior Seminar in Physics	2	MA 3/4**3	Math Elective	3			
	OR		MA-UY 4424	Introductory Numerical Analysis	4			
MA 3/4**2	Math Elective	2	PH-UY 3002	Physics Lab	2			
MA-UY 4413	Applied Partial Differential Equations	3						
PH 3/4/5**3	PH Elective	3						
	Free Elective	3						
Total Credits			Total Credits			Total Credits		