

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	MA-UY 1124	Calculus 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		15	Total Credits		15	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 & 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	4			
Total Credits		16	Total Credits		16	Total Credits		
Junior Year								
Fall Semester - NYUAD			Spring Semester - NYU			Summer Semester		
Course No.	Course Name	Credits	Course No.	Course Name	Credits	Course No.	Course Name	Credits
PHYS-UH 3011	Electricity & Magnetism	4	PH-UY 3002	Junior Physics Lab	2			
PHYS-UH 3013	Adv. Physics Lab	4	PH-UY 2344 *	Intro to Modern & Solid State Physics	4			
MATH-UH 2011 Q	Probability & Statistics	4		* This course can be taken whenever possible after sophomore fall.				
	Humanities & Social Sciences Elective	4	MA 3/4**4	Math Elective	4			
				Humanities & Social Sciences Elective	4			
Total Credits		16	Total Credits		14	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		Free Elective	3			
MA-UY 4413	Applied Partial Differential Equations	3						
PH 3/4/5**3	PH Elective	3						
	Free Elective	3						
Total Credits		17	Total Credits		18	Total Credits		