

Major:			Mathematics			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
MA-UY 1002	The Art of Mathematics	2	MA-UY 1124	Calculus II for Engineers	4			
MA-UY 1024	Calculus I for Engineers	4		OR				
	OR		MA-UY 1424	Integrated Calculus II for Engineers	4			
MA-UY 1324	Integrated Calculus I for Engineers	4	PH-UY 1013	Mechanics	3			
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
MA-UY 3044	Linear Algebra	4	MA-UY 2114	Calculus III: Multi-Dimensional Calculus	4			
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			
	HUSS Elective	4		HUSS Elective	4			
	Engineering Course	3		Engineering Course	3			
Total Credits		15	Total Credits		15	Total Credits		
Junior Year								
Fall Semester			Spring Semester			Summer Semester		
Course No.	Course Name	Credits	Course No.	Course Name	Credits	Course No.	Course Name	Credits
MA-UY 4613	Analysis I	3	MA-UY 3014	Probability	2			
MA-UY 4204	Ordinary Differential Equations	4		OR				
	HUSS Elective	4	MATH-UA 233	Theory of Probability	2			
	Engineering Course	3	MA-UY 4413	Applied Partial Differential Equations	3			
	Free Elective	3	MA-UY 4434	Complex Variables	4			
				HUSS Elective	4			
				Engineering Course	3			
Total Credits		16	Total Credits		16	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
MA-UY 4113	Intro to Mathematical Statistics	3	MA-UY 4444	Mathematical Modeling	4			
MA-UY 4424	Introductory Numerical Analysis	4		Math Elective	3			
	Engineering Course	3		Math Elective	3			
	Math Elective	3		Free Elective	3			
	Free Elective	3		Free Elective	3			
Total Credits		16	Total Credits		16	Total Credits		