

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 Laboratory I	1	PH-UY 2131	General Physics Laboratory II	1			
PH-UY 2023	Electricity, Magnetism & Fluids	3	PH-UY 2033	Waves, Optics & Thermodynamics	3			
	Humanities & Social Sciences Elective	4		Humanities & Social Sciences Elective	4			
	Engineering Course	3		Engineering Course	3			
Total Credits		15	Total Credits		15	Total Credits		
Junior Year								
Fall Semester - NYU			Spring Semester - NYUAD			Summer Semester		
Course No.	Course Name	Credits	Course No.	Course Name	Credits	Course No.	Course Name	Credits
MA-UY 4613	Analysis I	3	MATH-AD 214	Numerical Analysis	4			
MA-UY 4204	Ordinary Differential Equations	4	MATH-UH 3414	Partial Differential Equations	4			
	Humanities & Social Sciences Elective	4	MATH-UH 3610	Functions of Complex Variables	4			
	Engineering Course	3		Humanities & Social Sciences Elective	4			
	Free Elective	3						
Total Credits		17	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 3014	Probability	4	MA-UY 4114	Applied Statistics	4			
MA-UY 4444	Mathematical Modeling	4		Math Elective	4			
	Math Elective	4		Free Elective	3			
	Free Elective	3		Free Elective	3			
	Engineering Course	3		Engineering Course	3			
Total Credits		18	Total Credits		17	Total Credits		