

Major:			Electrical & Computer Engineering			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 1024	Calculus I for Engineers	4	MA-UY 1124	Calculus II for Engineers	4			
EG-UY 1003	Intro to Engineering & Design	3	PH-UY 1013	Mechanics	3			
EG-UY 1001	Engineering & Technology Forum	1	EE/CS 1012	Intro to Computer Engineering	2			
CS-UY 1114	Intro to Programming & Problem Solving	4		OR				
EXPOS-UA 1	Writing the Essay	4	EE-UY 1002	Intro to Electrical Engineering	2			
			CS-UY 1134	Data Structures & Algorithms	4			
			EXPOS-UA 2	The Advanced College Essay	4			
Total Credits		16	Total Credits		17	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 2034	Linear Algebra & Differential Equations	4	MA-UY 2114	Calculus III: Multi-Dimensional Calculus	4			
PH-UY 2023	Electricity, Magnetism & Fluids	3	MA-UY 2314	Discrete Mathematics	4			
PH-UY 2121	General Physics Lab I	1	PH-UY 2033	Waves, Optics & Thermodynamics	3			
CS-UY 2124	Object Oriented Programming	4	PH-UY 2131	General Physics Laboratory II	1			
EE-UY 2004	Fundamentals of Electric Circuits	4	CS-UY 2204	Digital Logic & State Machine Design	4			
	HUSS Elective	4	EE-UY 3114	Fundamentals of Electronics I	4			
Total Credits		20	Total Credits		20	Total Credits		
Junior Year								
Fall Semester - NYU			Spring Semester - NYUAD			Summer Semester-NYU		
Course No.	Course Name	Credits	Course No.	Course Name	Credits	Course No.	Course Name	Credits
MA-UY 3113	Advanced Linear Algebra & Complex Variables	3	ENGR-UH 3613	Electromagnetics	4	CM-UY 1004	General Chemistry for Engineers	4
EE-UY 2233	Intro to Probability	3		HUSS Elective	4			
	OR			EE/CS Elective	3 or 4			
MA-UY 2233	Intro to Probability	3		EE/CS Elective	3 or 4			
CS-UY 2214	Computer Architecture & Organization	4						
EE-UY 3054	Signals & Systems	4						
	EE Elective	3						
Total Credits		17	Total Credits		14/16	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 2114	Calculus III: Multi-Dimensional Calculus	4	EE/CS 4xx3	Design Project II	3			
MA-UY 2314	Discrete Mathematics	4		EE/CS/EL Elective	3			
PH-UY 2033	Waves, Optics & Thermodynamics	3		EE/CS/EL Elective	3			
PH-UY 2131	General Physics Laboratory II	1		EE/CS Elective	3 or 4			
CS-UY 2204	Digital Logic & State Machine Design	4		HUSS Elective	4			
EE-UY 3114	Fundamentals of Electronics I	4						
Total Credits		17/19	Total Credits		16/17	Total Credits		