

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-UY1024	Calculus I for Engineers	4	MA-UY 1124	Calculus II for Engineers	4			
EG-UY1003	Intro to Engineering & Design	3	PH-UY1013	Mechanics	3			
EG-UY1001	Engineering & Technology Forum	1	CC/CS 1012	Intro to Computer Engineering	2			
CS-UY114	Intro to Programming & Problem Solving	4		OR				
EXPOS-UA1	Writing the Essay	4	EE-UY 1012	Intro to Computer Engineering	2			
			CS-UY 1134	Data Structures & Algorithms	4			
			EXPOS-UA2	The Advanced College Essay	4			
Total Credits		16	Total Credits		17	Total Credits		
Sophomore Year								
Fall Semester			Spring Semester - NYU Shanghai			Summer Semester - NYU Tandon		
Course No.	Course Name	Credits	Course No.	Course Name	Credits	Course No.	Course Name	Credits
MA-UY2034	Linear Algebra & Differential Equations	4	MATH-SHU 123	Multivariable Calculus	4	PH-UY 2033	Waves, Optics & Thermodynamics	3
PH-UY2023	Electricity, Magnetism & Fluids	3	CSCI-SHU 2314	Discrete Mathematics	4	PH-UY 2131	General Physics Lab II	1
PH-UY2121	General Physics Lab I	1	CENG-SHU 201	Digital Logic	4			
CS-UY2124	Object Oriented Programming	4	EE-SHU 322	Electronics	4			
EE-UY2004	Fundamentals of Electric Circuits	4						
	HUSS Elective	4						
Total Credits		20	Total Credits		16	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-UY3113	Advanced Linear Algebra & Complex Variables	3	CM-UY 1004	General Chemistry for Engineers	4			
EE-UY2233	Intro to Probability	3	EE-UY 3604	Electromagnetic Waves	4			
	OR			HUSS Elective	4			
MA-UY2233	Intro to Probability	3		EE/CS Elective	3 or 4			
CS-UY2214	Computer Architecture & Organization	4		EE/CS Elective	3 or 4			
EE-UY3054	Signals & Systems	4						
	EE Elective	3						
Total Credits		17	Total Credits		18/20	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
EE-UY4001	ECE Professional Development & Presentation	1	EE/CS 4XX3	Design Project II	3			
EE/CS 4XX3	Design Project I	3		EE/CS/EL Elective	3			
	EE/CS Elective	3 or 4		EE/CS/EL Elective	3			
	EE/CS Elective	3 or 4		EE/CS Elective	3 or 4			
	Free Elective	3		HUSS Elective	4			
	HUSS Elective	4						
Total Credits		17/19	Total Credits		16/17	Total Credits		