

Major:			Mechanical 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
EG-UY 1001	Engneering & Technology Forum	1	MA-UY 1124	Calculus II for Engineers	4			
EG-UY 1003	Intro to Engineering & Design	3	PH-UY 1013	Mechanics	3			
MA-UY 1024	Calculus I for Engineers	4	ME-UY 1012	Intro to Mechanical Engineering	2			
CM-UY 1001	General Chemistry for Engineers	4	CS-UY 1133	Engineering Problem Solving & Programming	3			
EXPOS-UA 1	Writing the Essay	4	EXPOS-UA 2	The Advanced College Essay	4			
Total Credits		16	Total Credits		16	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 2114	Calculus III: Multi-Dimensional Calculus	4	MA-UY 2034	Linear Algebra & Differential Equations	4			
PH-UY 2023	Electricity, Magnetism & Fluids	3	PH-UY 2033G	Waves, Optics & Thermodynamics	3			
PH-UY 2121	General Physics Lab I	1	PH-UY 2131G	Physics Lab 2	1			
ME-UY 2811	Materials Science Lab	1		HUSS Electives	4			
ME-UY 2813	Intro to Materials Science	3		HUSS Electives	4			
ME-UY 2213	Statics	3						
ME-UY 2211	Statics Lab	1						
ME-UY 2112	Computer Aided Design	2						
Total Credits		18	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
ME-UY 3333	Thermodynamics	3	ME-UY 3233	Machine Design	3			
ME-UY 3211	Mechanics & Materials Lab	1	ME-UY 3311	Fluid Mechanics Lab	1			
ME-UY 3213	Mechanics & Materials Lab	3	ME-UY 3313	Fluid Mechanics	3			
ME-UY 3511	Measurement Systems Lab	1	ME-UY 3411	Automatic Control Lab	1			
ME-UY 3513	Measurement Systems	3	ME-UY 3413	Automatic Control	3			
ME-UY 3223	Dynamics	3		STEM2 Elective	3			
MA-UY 2224	Data Analysis	4						
Total Credits		18	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
ME-UY 4112	Senior Design I	2	ME-UY 4113	Senior Design II	3			
ME-UY 4214	Finite Element Modeling, Design & Analysis	4		STEM2 Elective	3			
ME-UY 4311	Heat Transfer Lab	1		Free Elective	3			
	ME Elective	3		Free Elective	3			
	HUSS Elective	4		HUSS Elective	4			
Total Credits		17	Total Credits		16	Total Credits		