

Fall '18 to Spring '21	ME-UY UNDERGRADUATE CHECK LIST							
STUDENT NAME-UY =								
STUDENT ID =		DATE =						
<table border="1"> <thead> <tr> <th>CHECK IF PASSED</th> <th>CHECK IF PRECLUDED BY TRANSFER CREDIT</th> <th>CREDITS EARNED</th> <th>CREDITS PER CATALOG</th> </tr> </thead> </table>					CHECK IF PASSED	CHECK IF PRECLUDED BY TRANSFER CREDIT	CREDITS EARNED	CREDITS PER CATALOG
CHECK IF PASSED	CHECK IF PRECLUDED BY TRANSFER CREDIT	CREDITS EARNED	CREDITS PER CATALOG					
FRESHMAN YEAR								
Fall Semester								
EG-UY 1001	First Year Forum			1				
EG-UY 1003	Introduction to Engineering & Design			3				
MA-UY 1024	Calculus I OR			4				
MA-UY 1324	Integrated Calculus I			4				
CM-UY 1004	General Chemistry			4				
EXPOS-UA 1	Writing The Essay			4				
		0	16	PROBLEM				
Spring Semester								
MA-UY 1124	Calculus II OR			4				
MA-UY 1424	Integrated Calculus II			3				
PH-UY 1013	Mechanics			2				
ME-UY 1012	Introduction to Mechanical Engineering			4				
EXPOS-UA 2	Advanced College Essay			3				
CS-UY 1133	Engineering Problem Solving & Programming			0				
		16		PROBLEM				
SOPHOMORE YEAR								
Fall Semester								
MA-UY 2304	Differential Equations			4				
PH-UY 2023	Electricity, Magnetism and Fluids			3				
PH-UY 2121	General Physics Lab I			1				
ME-UY 2811	Materials Science Lab			1				
ME-UY 2813	Introduction to Materials Science			3				
	HU/SS Elective			4				
ME-UY 2112	Computer Aided Design			2				
		0	18	PROBLEM				
Spring Semester								
MA-UY 2114	Multi-Dimensional Calculus			4				
MA-UY 2224	Data Analysis			4				
PH-UY 2033	Waves, Optics and Thermodynamics			3				
PH-UY 2131	General Physics Lab II			1				
ME-UY 2211	Statics Lab			1				
ME-UY 2213	Statics			3				
		0	16	PROBLEM				
JUNIOR YEAR								
Fall Semester								
ME-UY 3333	Thermodynamics			3				
ME-UY 3211	Mechanics of Materials Lab			1				
ME-UY 3213	Mechanics of Materials			3				
ME-UY 3511	Measurement Systems Lab			1				
ME-UY 3513	Measurement Systems			3				
ME-UY 3223	Dynamics			3				
	HU/SS Elective			4				
		0	18	PROBLEM				
Spring Semester								
ME-UY 3233	Machine Design			3				
				not satisfied				

ME-UY 3311	Fluid Lab			1	not satisfied
ME-UY 3313	Fluids			3	not satisfied
ME-UY 3411	Controls Lab			1	not satisfied
ME-UY 3413	Controls			3	not satisfied
	STEM2			3	not satisfied
				0	14
					PROBLEM
SENIOR YEAR					
Fall Semester					
ME-UY 4112	Senior Design I			2	not satisfied
ME-UY 4214	Finite Element Design, Modeling & Analysis			4	not satisfied
ME-UY 4311	Heat Transfer Lab			1	not satisfied
ME-UY 4313	Heat Transfer			3	not satisfied
	HU/SS Elective			4	not satisfied
	STEM2			3	not satisfied
				0	17
					PROBLEM
Spring Semester					
ME-UY 4113	Senior Design II			3	not satisfied
	Free Elective			3	not satisfied
	Free Elective			3	not satisfied
	Free Elective			3	not satisfied
	HU/SS Elective			4	not satisfied
				0	16
					PROBLEM
1 COMPLETE ABOVE FORM					
2 CHECK GPA 2.000 OR ABOVE					
		0	131		PROBLEM
Additional Courses :-					
Minors / Concentrations :-					

Humanities Total: 0

Fall '18 to Spring '21

ME UNDERGRADUATE CHECK LIST WITH AERO Minor

STUDENT NAME = STUDENT ID = DATE =

CHECK IF PASSED	CHECK IF PRECLUDED BY TRANSFER CREDIT	CREDITS EARNED	CREDITS PER CATALOG
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FRESHMAN YEAR

Fall Semester

EG-UY 1001	First Year Forum
EG-UY 1003	Introduction to Engineering & Design
MA-UY 1024	Calculus I OR
MA-UY 1324	Integrated Calculus I
CM-UY 1004	General Chemistry
EXPOS-UA 1	Writing The Essay

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	not satisfied
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3	not satisfied
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4	not satisfied
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4	not satisfied
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4	not satisfied
			0	16
				PROBLEM

Spring Semester

MA-UY 1124	Calculus II OR
MA-UY 1424	Integrated Calculus II
PH-UY 1013	Mechanics
ME-UY 1012	Introduction to Mechanical Engineering
EXPOS-UA 2	Advanced College Essay
CS-UY 1133	Engineering Problem Solving & Programming

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4	not satisfied
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3	not satisfied
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	not satisfied
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4	not satisfied
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3	not satisfied
			0	16
				PROBLEM

SOPHOMORE YEAR

Fall Semester

MA-UY 2034	Linear Algebra & Differential Equations
PH-UY 2023	Electricity, Magnetism and Fluids
PH-UY 2121	General Physics Lab I
MT-UY 2811	Materials Science Lab
MT-UY 2813	Introduction to Materials Science
	HU/SS Elective
ME-UY 2112	Computer Aided Design

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4	not satisfied
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3	not satisfied
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	not satisfied
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	not satisfied
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3	not satisfied
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4	not satisfied
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	not satisfied
			0	18
				PROBLEM

Spring Semester

MA-UY 2114	Multi-Dimensional Calculus
MA-UY 2224	Data Analysis
PH-UY 2033	Waves, Optics and Thermodynamics
PH-UY 2131	General Physics Lab II
ME-UY 2211	Statics Lab
ME-UY 2213	Statics

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4	not satisfied
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4	not satisfied
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3	not satisfied
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	not satisfied
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	not satisfied
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3	not satisfied
			0	16
				PROBLEM

JUNIOR YEAR

Fall Semester

ME-UY 3333	Thermodynamics
ME-UY 3211	Mechanics of Materials Lab
ME-UY 3213	Mechanics of Materials
ME-UY 3511	Measurement Systems Lab
ME-UY 3513	Measurement Systems
ME-UY 3223	Dynamics
	HU/SS Elective

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3	not satisfied
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	not satisfied
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3	not satisfied
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	not satisfied
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3	not satisfied
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3	not satisfied
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4	not satisfied
			0	18
				PROBLEM

Spring Semester

ME-UY 3233	Machine Design
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<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3	not satisfied
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ME-UY 3311	Fluid Lab		1	not satisfied
ME-UY 3313	Fluids		3	not satisfied
ME-UY 3411	Controls Lab		1	not satisfied
ME-UY 3413	Controls		3	not satisfied
	HU/SS Elective		4	not satisfied
		0	15	PROBLEM

SENIOR YEAR

Fall Semester

ME-UY 4112	Senior Design I
ME-UY 4214	Finite Element Design, Modeling & Analysis
ME-UY 4311	Heat Transfer Lab
ME-UY 4313	Heat Transfer
AE-UY 4603	Compressible Flow
AE-UY 4653	Aircraft Flight Mechanics

		2	not satisfied	
		4	not satisfied	
		1	not satisfied	
		3	not satisfied	
		3	not satisfied	
		3	not satisfied	
		0	16	PROBLEM

Spring Semester

ME-UY 4113	Senior Design II
AE-UY 4633	Aerospace Propulsion
AE-UY 4613	Aerodynamics
	Free Elective
	HU/SS Elective

		3	not satisfied	
		3	not satisfied	
		3	not satisfied	
		3	not satisfied	
		4	not satisfied	
		0	16	PROBLEM

1 COMPLETE ABOVE FORM

2 CHECK GPA 2.000 OR ABOVE 0 131 **PROBLEM**

Additional Courses :-

Minors / Concentrations :-

Humanities Total: 0

Footnotes

¹ Students must take sixteen credits (four courses) of elective courses in the humanities and social sciences. Consult the [Department of Technology, Culture and Society](#) portion of the bulletin for details. At least one humanities and social sciences (HuSS) elective must be a 3xxx/4xxx level course. At least one humanities and social sciences elective must be a writing-intensive course, labeled by "W."

² STEM² electives are satisfied by the following courses:

- a) Any level 2 or higher course starting with the prefix AE-UY, BMS-UY, CBE-UY, CM-UY, CE-UY, CS-UY, ECE-UY, EG-UY, FIN-UY, DM-UY, MA-UY, ME-UY, MG-UY, PH-UY, ROB-UY, STS-UY, or VIP-UY
- b) Any graduate course starting with BE-GY, BI-GY, BT-GY, BTE-GY, CBE-GY, CM-GY, CE-GY, CS-GY, DM-GY, IE-GY, MG-GY, MA-GY, ME-GY, ROB-GY, or TR-GY
- Any course which satisfies Humanities credit must be in excess of the NYU Tandon 24 credit Humanities and Social Sciences (HuSS) requirement to be eligible for STEM² elective credit. Double-counting HuSS credit and STEM² credit is not permitted.

³ A free elective is any course in any department of the University for which the student has the prerequisites. Free electives may include internships for credit (CP-UY 2xxx or Study Abroad courses). A total of six internship credits may be applied to the [BSME](#) degree. Letter graded and pass/fail approved internship courses are allowable. In general, all other Free Electives must be letter graded.