



Bachelor of Engineering - Entering Fall 2024 and later Study Plan

Stevens Institute of Technology
Castle Point on Hudson
Hoboken, NJ 07030
The Department of
Mechanical Engineering

Name: _____ ID: _____ E-mail: _____

Major: MECHANICAL ENGINEERING Concentration: _____

Instructions: Please print or Type. The purpose of this study plan is to track your progress to degree completion by outlining the specific courses required for the program and when you expect to take them. Please indicate the term (semester) when you plan to take or have taken each course (e.g., 24F, 25S, 25F, etc.). If a choice of course is given for the requirement, circle the appropriate course number. For electives, fill in the course number. Courses completed via AP/IB or transfer credit should be marked as AP, IB, or TR respectively. Revise this plan as needed. An additional study plan will be required if you wish to pursue a minor or a second degree.

Term	Course	Credits	Grade	Term	Course	Credits	Grade
<u>TERM I</u>				<u>TERM III</u>			
I	CH115 - General Chemistry I	3.0	_____	III	MA221 - Differential Equations	4.0	_____
I	CH117 - General Chemistry Lab I	1.0	_____	III	PEP112 - Electricity and Magnetism	3.0	_____
I	MA121 - Calculus 1A: Differential Calculus	2.0	_____	III	ENGR245 - Circuits and Systems	3.0	_____
I	MA122- Calculus 1B: Integral Calculus	2.0	_____	III	ENGR211 – Statics and Intro to Engineering Mech.	4.0	_____
I	ENGR116- Intro to Program. & Algorithmic Thinking	3.0	_____	III	ME234 – Mech. Eng. Thermodynamics	3.0	_____
I	ENGR111- Intro to Eng. Design & Systems Thinking	4.0	_____				
I	HASS 103- Writing and Communication Colloquium	3.0	_____	<u>TERM IV</u>			
I	<input type="checkbox"/> PRV101- First Year Experience Seminar	1.0	_____	IV	MA226 - Multivariable Calculus II	2.0	_____
				IV	MA225 - Infinite Series	2.0	_____
				IV	ENGR212 - Design of Dynamical Systems	4.0	_____
				IV	ME225 - Dynamics	3.0	_____
II	Science Elective ¹ _____	3.0	_____	IV	ME261 - Mechanics of Materials	3.0	_____
II	MA125 - Vectors and Matrices	2.0	_____	IV	PRV 2xx Frontiers of Technology	1.0	_____
II	MA126 – Multivariable Calculus I	2.0	_____	IV	PRV 2xx Frontiers of Technology	1.0	_____
II	PEP111 - Mechanics	3.0	_____				
II	MGT 103 – Introduction to Entrepreneurial Thinking	2.0	_____				
II	ENGR122 - Fields Sustainable Systems with Sci.	2.0	_____				
II	HASS 105- Knowledge, Nature, Culture	3.0	_____				

Student Signature: _____ Date: _____

Faculty Advisor Signature: _____ Date: _____

Original Revision-
2nd Degree



Bachelor of Engineering - Students Entering Fall 2024

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<u>TERM V</u>			<u>TERM VII</u>			Credits	Grade
V	ME491 - Manufacturing Processes and Systems	3.0	VII	<input type="checkbox"/> PRV 2xx- Frontiers of Technology		1.0	_____
V	ENGR311 - Design V with Materials	4.0	VII	ME354 - Heat Transfer		3.0	_____
V	ENGR241 - Probability & Stat. w/ Data Sci App	4.0	VII	ME475 - ME Systems Laboratory		3.0	_____
V	ME335 - Thermal Engineering	3.0	VII	Technical Elective ² ME _____		3.0	_____
V	ME 361 - Design of Machine Components	3.0	VII	ME423 - Engineering Design VII ⁴		3.0	_____
<u>TERM VI</u>			VII	IDE401- Senior Innovation II Humanities		1.0	_____
VI	ME345 - Modeling and Simulation	3.0	VII	Humanities _____		3.0	_____
VI	IDE399 - Eng. Economic & Project Management	2.0	<u>TERM VIII</u>				
VI	ME322 - Engineering Design VI	2.0	VIII	Technical Elective ² ME _____		3.0	_____
VI	ME342 - Fluid Mechanics	3.0	VIII	General Elective ³ _____		3.0	_____
VI	ME483 - Control Systems	3.0	VIII	General Elective ³ _____		3.0	_____
VI	Humanities	3.0	VIII	ME424 - Engineering Design VIII⁴		3.0	_____
VIII			VIII	IDE402- Senior Innovation III		1.0	_____
VIII			VIII	Humanities _____		3.0	_____

NOTES: The choices are: CH116 (lab is CH118 but not required), BIO281 (lab is BIO282 but not required), EN250, PEP201 (includes embedded lab), PEP242, NANO200, PEP151, PEP 152, PEP336, PEP351, CE240

2. ME Technical Elective Upper level ME course only (ME5xx, ME 6xx)
 3. General Elective: Any 3 credit course or a combination of 3 credits

4. ME423-424 (Senior Design) must be in a consecutive Fall-Spring sequence.

ADDITIONAL COURSES

_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Student Signature: _____ Date: _____

Faculty Advisor Signature: _____ Date: _____

Original Revision-
 2nd Degree