

Bachelor of Engineering - Entering Fall 2025 and later

Study Plan

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., 25F, 26S, 26F, 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- Into to Eng. Design & Systems Thinking	4.0	_____	<u>TERM IV</u>			
I	HASS 103- Writing and Communication Colloquium	3.0	_____	IV	MA226 - Multivariable Calculus II	2.0	_____
I	☐ PRV101- First Year Experience Seminar	1.0	_____	IV	MA225 - Infinite Series	2.0	_____
<u>TERM II</u>				IV	ENGR212 - Design of Dynamical Systems	4.0	_____
II	Science Elective ¹ _____	3.0	_____	IV	ME225 - Dynamics	3.0	_____
II	MA125 - Vectors and Matrices	2.0	_____	IV	ME261 - Mechanics of Materials	3.0	_____
II	MA126 – Multivariable Calculus I	2.0	_____	IV	PRV 2xx Frontiers of Technology	1.0	_____
II	PEP111 - Mechanics	3.0	_____	IV	PRV 2xx Frontiers of Technology	1.0	_____
II	MGT 103 – Introduction to Entrepreneurial Thinking	2.0	_____				
II	ENGR122 - Fields Sustainable Systems with Sci.	2.0	_____				
II	HASS 105- CAL:Knowledge, Nature, Culture	3.0	_____				

Student Signature: _____ Date: _____

Faculty Advisor Signature: _____ Date: _____

Original
2nd Degree



Bachelor of Engineering - Students Entering Fall 2025

Study Plan

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

Name: _____ ID: _____ Email: _____

Major: **MECHANICAL ENGINEERING**

Concentration: _____

<u>TERM V</u>			<u>TERM VII</u>			Credits	Grade
V	ME491 - Manufacturing Processes and Systems	3.0	VII ☐	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		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	3.0	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 VIII ⁴		3.0	
			VIII	IDE402- Senior Innovation III		1.0	
			VIII	Humanities _____		3.0	

NOTES:

- Science Elective can be selected from the following list. Laboratory is not required.
 - CH 116 with or without lab (CH 118), BIO 181 with or without lab (BIO 182), PEP 201 (embedded lab), EN 250, PEP 151, PEP 152, PEP 242, PEP 336, PEP 351, NANO 200, CE 240.
- Technical Electives can be selected from available ME 400 and ME 500 course offerings and they can be used towards ME concentration area.
- General Electives can be selected from available courses offered by programs in SES, SOB and HASS (including 400-500 level ME Courses). Approval from the student's advisor and the course instructor may be required.
- Humanities: Please see [Humanities Requirements](#) for specific requirements.

ADDITIONAL COURSES ⁴

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

Student Signature: _____ Date: _____

Original Revision-

Faculty Advisor Signature: _____ Date: _____

2nd Degree