

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

Student Signature:

Date:

☐ Original ☐ Revision-

Faculty Advisor Signature:

Date:

☐ 2<sup>nd</sup> 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:

TERM V			
V	<input type="checkbox"/>	ME491 - Manufacturing Processes and Systems	3.0
V	<input type="checkbox"/>	ENGR311 - Design V with Materials	4.0
V	<input type="checkbox"/>	ENGR241 - Probability & Stat. w/ Data Sci App	4.0
V	<input type="checkbox"/>	ME335 - Thermal Engineering	3.0
V	<input type="checkbox"/>	ME 361 - Design of Machine Components	3.0

TERM VI			
VI	<input type="checkbox"/>	ME345 - Modeling and Simulation	3.0
VI	<input type="checkbox"/>	IDE399 - Eng. Economic & Project Management	2.0
VI	<input type="checkbox"/>	ME322 - Engineering Design VI	3.0
VI	<input type="checkbox"/>	ME342 - Fluid Mechanics	3.0
VI	<input type="checkbox"/>	ME483 - Control Systems	3.0
VI	<input type="checkbox"/>	Humanities: _____	3.0

TERM VII			
VII	<input type="checkbox"/>	PRV 2xx- Frontiers of Technology	1.0
VII	<input type="checkbox"/>	ME354 - Heat Transfer	3.0
VII	<input type="checkbox"/>	ME475 - ME Systems Laboratory	3.0
VII	<input type="checkbox"/>	Technical Elective <sup>2</sup> ME _____	3.0
VII	<input type="checkbox"/>	ME423 - Engineering Design VII <sup>4</sup>	3.0
VII	<input type="checkbox"/>	IDE401- Senior Innovation II	1.0
VII	<input type="checkbox"/>	Humanities: _____	3.0

TERM VIII			
VIII	<input type="checkbox"/>	Technical Elective <sup>2</sup> ME _____	3.0
VIII	<input type="checkbox"/>	General Elective <sup>3</sup> _____	3.0
VIII	<input type="checkbox"/>	General Elective <sup>3</sup> _____	3.0
VIII	<input type="checkbox"/>	ME424 - Engineering Design VIII <sup>4</sup>	3.0
VIII	<input type="checkbox"/>	IDE402- Senior Innovation III	1.0
VIII	<input type="checkbox"/>	Humanities <input type="text"/>	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<sup>4</sup>

<input type="checkbox"/>	<input type="text"/>	_____	_____
<input type="checkbox"/>	<input type="text"/>	_____	_____
<input type="checkbox"/>	<input type="text"/>	_____	_____
<input type="checkbox"/>	<input type="text"/>	_____	_____
<input type="checkbox"/>	<input type="text"/>	_____	_____
<input type="checkbox"/>	<input type="text"/>	_____	_____

Student Signature: \_\_\_\_\_ Date:  ☐ Original ☐ Revision-  
Faculty Advisor Signature:  Date:  ☐ 2<sup>nd</sup> Degree