



Bachelor of Engineering - Entering Fall 2021 - Spring 2024 Study Plan

Name: _____ ID: _____ E-mail: _____

Major: MECHANICAL ENGINEERING Concentration: _____

Instructions Please print or type. The primary purpose of this form is to lay out the courses required to complete your degree program and when you expect to take each of them. You may then use it to track your own progress to the degree. You should revise it as needed. Please indicate the term when you expect to take each course (e.g., F20, S21, etc.). Roman numerals indicate the standard curriculum time schedule. If a choice of courses is given for a requirement, indicate the appropriate course number. For electives, fill in the course number. Any courses taken elsewhere should be marked **TR** or **AP**. An additional study plan will be required if you wish to receive 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	_____	<u>TERM IV</u>			
I	CAL103- Writing and Communication Colloquium	3.0	_____	IV	MA226 - Multivariable Calculus II	2.0	_____
<u>TERM II</u>				IV	MA225 - Infinite Series	2.0	_____
II	Science Elective ¹ _____	3.0	_____	IV	ENGR212 - Design of Dynamical Systems	4.0	_____
II	MA125 - Vectors and Matrices	2.0	_____	IV	ME225 - Dynamics	3.0	_____
II	MA126 – Multivariable Calculus I	2.0	_____	IV	ME261 - Mechanics of Materials	3.0	_____
II	PEP111 - Mechanics	3.0	_____	IV	Humanities _____	3.0	_____
II	MGT 103 – Introduction to Entrepreneurial Thinking	2.0	_____	CAL 103 + 105 +4 Humanities (at least 1 100/200 + at least 1 300/400 level in 2 disciplines)			
II	ENGR122 - Fields Sustainable Systems with Sci.	2.0	_____	_____, _____, _____, _____			
II	CAL 105- Knowledge, Nature, Culture	3.0	_____				

Student Signature: _____ Date: _____

Faculty Advisor Signature: _____ Date: _____

Original Revision-
2nd Degree



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

NOTES:
 1. Science Electives: 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, PEP336, PEP351, CE240

2. ME Technical Elective: Upper level ME course only (ME5xx, ME6xx)
 3. General Elective: Any 3 credit course with advisor approval

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

ADDITIONAL COURSES

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

Student Signature: _____ Date: _____ Original Revision-

Faculty Advisor Signature: _____ Date: _____ 2nd Degree