



Bachelor of Engineering - Entering Fall 2021 and later Study Plan

Stevens Institute of Technology
Castle Point on Hudson
Hoboken, NJ 07030
Office of the Registrar
201.216.5210
FAX 201.216.8030

Name: _____ ID: _____ E-mail: _____

Major Concentration Field: MECHANICAL ENGINEERING Secondary Concentration Field: _____

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- CAL Coll:Knowledge, Nature, Culture | 3.0 | _____ | | | | |

Student Signature: _____ Date: _____

Faculty Advisor Signature: _____ Date: _____

UG Records Auditor: _____ Date: _____

Original Revision-
2nd Degree



Bachelor of Engineering - Students Entering Fall 2021

Study Plan

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| 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 | 2.0 | _____ |
| VI | ME342 - Fluid Mechanics | 3.0 | _____ |
| VI | ME483 - Control Systems | 3.0 | _____ |
| VI | Humanities ³ | 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 ⁵ | 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 | _____ |
| <u>ADDITIONAL COURSES</u>⁴ | | | |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |

- NOTES:
1. Science Electives: The choices are: CH116 (lab is CH118), BIO281 (lab is BIO282), EN250, PEP201 (includes embedded lab), PEP242, NANO200, PEP151, PEP336, PEP351, CE240
 2. ME Technical Elective: Upper level ME course only (ME5xx)
 3. General Elective: Any 3 credit course with advisor approval
 4. ME423-424 (Senior Design) must be in a consecutive Fall-Spring sequence.

Student Signature: _____ Date: _____ Original Revision-
 Faculty Advisor Signature: _____ Date: _____ 2nd Degree
 UG Records Auditor: _____ Date: _____