



# Bachelor of Engineering - Students Entering Fall 2019

## Study Plan / Application for Candidacy (check one)

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

Name: \_\_\_\_\_ ID: \_\_\_\_\_ Class: \_\_\_\_\_ Box S- \_\_\_\_\_ 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., F19, S20, 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
<b><u>TERM I</u></b>				<b><u>TERM III</u></b>			
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	_____ E126 - Mechanics of Solids	4.0	_____
I	_____ MA122 - Calculus 1B: Integral Calculus	2.0	_____	III	_____ E245 - Circuits and Systems	3.0	_____
I	_____ E101 - Engineering Experience (P/F)	1.0	_____	III	_____ E231 - Engineering Design III	2.0	_____
I	_____ E120 - Engineering Graphics	1.0	_____	III	_____ Humanities _____	3.0	_____
I	_____ E121 - Engineering Design I	2.0	_____	<b><u>TERM IV</u></b>			
I	_____ E115 - Introduction to Programming	2.0	_____	IV	_____ MA227 - Multivariable Calculus	3.0	_____
I	_____ CAL103	3.0	_____	IV	_____ E232 - Engineering Design IV	3.0	_____
<b><u>TERM II</u></b>				IV	_____ ME234 - ME Thermodynamics	3.0	_____
II	_____ Science Elective <sup>1</sup> _____	3.0/4.0	_____	IV	_____ Science Elective <sup>1</sup> _____	3.0/4.0	_____
II	_____ MA123 - Calculus 2A	2.0	_____	IV	_____ ME225 - Dynamics	3.0	_____
II	_____ MA124 - Calculus 2B	2.0	_____	IV	_____ Humanities _____	3.0	_____
II	_____ PEP111 - Mechanics	3.0	_____	Science Elective with Lab - must have at least one of the following:			
II	_____ MGT 103 - Introduction to Entrepreneurial Thinking	2.0	_____	<input type="checkbox"/> Chem II (CH 116/118) <input type="checkbox"/> Bio/Biotech (BIO 281/282) <input type="checkbox"/> PEP 201 (w/ embedded lab)			
II	_____ E122 - Engineering Design II	2.0	_____	CAL 103 + 105 +4 Humanities (at least 1 100/200 + at least 1 300/400 level in 2 disciplines)			
II	_____ CAL 105	3.0	_____	_____ , _____ , _____ , _____			

Student Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Faculty Advisor Signature: \_\_\_\_\_ Date: \_\_\_\_\_

UG Records Auditor: \_\_\_\_\_ Date: \_\_\_\_\_

Original      Revision-  
 2<sup>nd</sup> Degree



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Major Concentration Field: MECHANICAL ENGINEERING Secondary Concentration Field: \_\_\_\_\_

Term	Course	Credits	Grade
<b>TERM V</b>			
V	ME342 - Fluid Mechanics	3.0	_____
V	E344 - Materials Processing	3.0	_____
V	E321 - Engineering Design V	2.0	_____
V	E243 - Probability & Statistics	3.0	_____
V	ME 361 - Design Mach. Comp	3.0	_____
V	Humanities _____	3.0	_____
<b>TERM VI</b>			
VI	ME345 - Modeling and Simulation	3.0	_____
VI	E355 - Engineering Economics	4.0	_____
VI	ME322 - Engineering Design VI	2.0	_____
VI	ME335 - Thermal Engineering	3.0	_____
VI	ME358 - Machine Dynamics & Mech.	3.0	_____
VI	General Elective <sup>3</sup> _____	3.0	_____
VI	IDE400 - Senior Innovation I	1.0	_____
<b>TERM VII</b>			
VII	ME354 - Heat Transfer	3.0	_____
VII	ME483 - Control Systems	3.0	_____
VII	Technical Elective <sup>2</sup> _____	3.0	_____
VII	General Elective <sup>3</sup> _____	3.0	_____
VII	ME423 - Engineering Design VII <sup>5</sup>	3.0	_____
VII	IDE401 - Senior Innovation II	1.0	_____
<b>TERM VIII</b>			
VIII	ME491- Manufacturing Processes and Systems	3.0	_____
VIII	Technical Elective <sup>2</sup> _____	3.0	_____
VIII	General Elective <sup>3</sup> _____	3.0	_____
VIII	ME424 - Engineering Design VIII <sup>5</sup>	3.0	_____
VIII	ME470 - ME Systems Laboratory (spring only)	2.0	_____
VIII	IDE402 - Senior Innovation III	1.0	_____
VIII	Humanities _____	3.0	_____

- NOTES:
1. Science Electives: The choices are: CH116 (lab is CH118), BIO281 (lab is BIO282) or EN250, PEP201 (includes embedded lab) or PEP242, NANO200, PEP151 or PEP336, PEP 351, and CE240  
 NOTE: One lab must be included in 1 of the 2 science electives to fulfill the science/lab requirement.
  2. ME Technical Elective: Upper level ME course only (ME5xx)
  3. General Elective: ME 400 or 500-level course  
 Upper level SES, SSE, CAL or SOB 3 credit course  
 Any other 3 credit course with advisor approval
  4. PE Graduation Requirement: Minimum of four, non-repeating, semesters of PE credits. No credit or grades are awarded for P.E. classes. Participation in varsity or club sports may be used to satisfy all four of the P.E. requirements.
  5. ME423-424 (Senior Design) must be in a consecutive Fall-Spring sequence.

**ADDITIONAL COURSES <sup>4</sup>**

_____	PE 200 - _____	PE	_____
_____	PE 200 - _____	PE	_____
_____	PE 200 - _____	PE	_____
_____	PE 200 - _____	PE	_____

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