



Bachelor of Engineering - Students Entering 2020 Fall

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: SOFTWARE ENGINEERING Domain 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., 2020F, 2021S, etc.). Roman numerals indicate the standard curriculum time schedule. If a choice of courses is given for a requirement, circle the appropriate course number. For electives, fill in the course number. Any courses taken elsewhere should be marked **TR**. 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 IA: Differential Calculus	2.0	_____	III	_____ E126 - Mechanics of Solids	4.0	_____				
I	_____ MA122 - Calculus IB: Integral Calculus	2.0	_____	III	_____ E245 – Circuits and Systems	3.0	_____				
I	_____ E101 - Engineering Experience I	1.0	_____	III	_____ E231 – Engineering Design III	2.0	_____				
I	_____ E120 - Engineering Graphics	1.0	_____	III	_____ Humanities ¹ _____	3.0	_____				
I	_____ E121 - Engineering Design I	2.0	_____	<u>TERM IV</u>							
I	_____ E115 - Introduction to Programming	2.0	_____	IV	_____ MA134 ⁵ - Discrete Math	3.0	_____				
I	_____ CAL 103- Writing & Communications Colloquium	3.0	_____	IV	_____ E232 - Engineering Design IV	3.0	_____				
<u>TERM II</u>				IV	_____ E234 ⁵ – Thermodynamics	3.0	_____				
II	_____ MA123 - Series, Vectors, Functions, and	2.0	_____	IV	_____ SSW215 ⁵ Individual Software Engineering	3.0	_____				
II	_____ Surfaces MA124 - Calculus of Two Variables	2.0	_____	IV	_____ Science Elective ² _____	3.0/4.0	_____				
II	_____ PEP111 - Mechanics	3.0	_____	IV	_____ Humanities ¹ _____	3.0	_____				
II	_____ MGT103 - Intro. to Entrepreneurial Thinking	2.0	_____	<u>PE Required Courses⁶</u>							
II	_____ E122 - Engineering Design II	2.0	_____	Term	Course	Credits	Grade	Term	Course	Credits	Grade
II	_____ CAL 105- Knowledge, Nature, Culture	3.0	_____	_____	PE 200 _____	PE	_____	_____	PE 200 _____	PE	_____
II	_____ Science Elective ² _____	3.0/4.0	_____	_____	PE 200 _____	PE	_____	_____	PE 200 _____	PE	_____

Student Signature: _____ Date: _____ Original Revision

Faculty Advisor Signature: _____ Date: _____ 2nd Degree

UG Records Auditor: _____ Date: _____



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	<u>TERM V</u>			Term	Course	Credits	Grade
V	ISE 350 Logistics and Supply Chain Management	4.0	_____		<u>TERM VII</u>		
V	E344 - Materials Processing	3.0	_____	VII	SSW 555 ⁵ Agile Methods for Software Development	3.0	_____
V	E321 - Engineering Design V	2.0	_____	VII	SSW 567 ⁵ Software Testing and Quality Assurance	3.0	_____
V	E243 - Probability & Statistics	3.0	_____	VII	Domain Elective ⁴	3.0	_____
V	SSW 315 ⁵ Object-based Software Development	3.0	_____	VII	General Elective ³	3.0	_____
V	Humanities ¹	3.0	_____	VII	SSW 423 ⁵ - Engineering Design VII	3.0	_____
	<u>TERM VI</u>			VII	IDE 401 ⁷ - Senior Innovation II	1.0	_____
VI	SSW 345 ⁵ - Model-based Software Engineering	3.0	_____		<u>TERM VIII</u>		
VI	E355 - Engineering Economics	4.0	_____	VIII	SSW 533 ⁵ Software Estimation and Metrics	3.0	_____
VI	SSW 322 ⁵ - Engineering Design VI	2.0	_____	VIII	SYS 581 ⁵ Systems Engineering Architecture	3.0	_____
VI	SSW 564 ⁵ Software Requirements Engineering	3.0	_____	VIII	General Elective ³	3.0	_____
VI	Domain Elective ⁴	3.0	_____	VIII	SSW 424 ⁵ - Engineering Design VIII	3.0	_____
VI	General Elective ³	3.0	_____	VIII	Humanities ¹	3.0	_____
VI	IDE 400 ⁷ Senior Innovation I	1.0	_____	VIII	IDE 402 ⁷ - Senior Innovation III	1.0	_____

- NOTES:
- Humanities Requirement: Four additional humanities classes. At least one must be in the 100 or 200 level, at least one must be in the 300 or 400 level, and courses must cover at least two different disciplines within CAL.
 - Basic Science Elective: Any two from CH116, BIO 281, EN250, PEP151, PEP 201, PEP 242; For a complete list of Science Electives, please the Academic Catalog for your entering year.
One elective must have a laboratory component; Two electives from the same field cannot be selected.
 - General Elective: Chosen by student; Can be used towards a minor or option; Can be applied to research or approved international studies.
 - Domain Elective: students may choose domain electives from all disciplines at Stevens tailored to a specific area of focus upon consultation and approval from their academic advisor.
 - Core Option - Specific course determined by engineering program.
 - PE Graduation Requirement: Minimum of four semester PE credits in non-repeating courses. No credit or grades are awarded for P.E. classes. Participation in varsity and club sports may be used to satisfy all four of the P.E. requirements.
 - IDE 400 can be taken concurrently with IDE 401 in Term VII as determined by the engineering program.
 - Courses beyond the B.E. requirements whether to meet minor requirements, to meet second degree requirements, to defer to graduate program (mark GD) or extra courses (e.g. from change in field of study; mark XT).

Student Signature: _____ Date: _____ Original Revision

Faculty Advisor Signature: _____ Date: _____ 2nd Degree