



# Bachelor of Engineering—Student 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- \_\_\_\_\_ Email: \_\_\_\_\_

Major Concentration Field: Computer Engineering \_\_\_\_\_ Secondary Concentration Field: \_\_\_\_\_

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 course is given for the requirement, circle the appropriate course number. For electives, fill in the course number. Any course taken elsewhere should be marked TR. An additional study plan will be required if any of 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>			
_____	CH 115 General Chemistry I	3.0	_____	_____	E 126 Mechanics of Solids	4.0	_____
_____	CH 117 General Chemistry Laboratory	1.0	_____	_____	E 231 Engineering Design III	2.0	_____
_____	E 101 Engineering Experience	1.0	_____	_____	E 245 Circuits and Systems	3.0	_____
_____	E 115 Introduction to Programming	2.0	_____	_____	MA 221 Differential Equations	4.0	_____
_____	E 120 Engineering Graphics	1.0	_____	_____	PEP 112 Electricity and Magnetism	3.0	_____
_____	E 121 Engineering Design I	2.0	_____	_____	<b>Humanities<sup>1</sup></b> _____	<b>3.0</b>	_____
_____	MA 121 Differential Calculus	2.0	_____				
_____	MA 122 Integral Calculus	2.0	_____				
_____	CAL 103 <i>Writing &amp; Communication Colloquium</i>	3.0	_____				
<b><u>TERM II</u></b>				<b><u>TERM IV</u></b>			
_____	<b>Science Elective<sup>2</sup></b> _____	<b>3.0</b>	_____	_____	<b>CPE 360 Computational Data Structures &amp; Algorithms</b>	<b>3.0</b>	_____
_____	<b>Science Elective Laboratory<sup>2</sup></b> _____	<b>0/1.0</b>	_____	_____	<b>CPE 390 Microprocessor Systems</b>	<b>4.0</b>	_____
_____	E 122 Engineering Design II	2.0	_____	_____	E 232 Engineering Design IV	3.0	_____
_____	MA 123 Series, Vectors, Functions and Surfaces	2.0	_____	_____	E 234 Thermodynamics	3.0	_____
_____	MA 124 Calculus of Two Variables	2.0	_____	_____	<b>MA134 Discrete Mathematics</b>	<b>3.0</b>	_____
_____	MGT 103 Intro to Entrepreneurial Thinking	2.0	_____	_____	<b>Humanities<sup>1</sup></b> _____	<b>3.0</b>	_____
_____	PEP 111 Mechanics	3.0	_____				
_____	CAL 105 <i>Knowledge, Nature, Culture</i>	3.0	_____				

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

Student Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
 Faculty Advisor Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
 UG Records Auditor: \_\_\_\_\_ Date: \_\_\_\_\_

Revised August 2020



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Major Concentration Field: Computer Engineering Secondary Concentration Field: \_\_\_\_\_

Term	Course	Credits	Grade
<b>TERM V</b>			
_____	EE 471 Transport Phenomena in Solid State Devices 4.0	_____	_____
_____	CPE 490 Information Systems Engineering I 3.0	_____	_____
_____	Humanities <sup>1</sup> 3.0	_____	_____
_____	E 321 Engineering Design V 2.0	_____	_____
_____	E 243 Probability and Statistics for Engineers 3.0	_____	_____
_____	E 344 Materials Processing 3.0	_____	_____
<b>TERM VI</b>			
_____	CPE 322 Engineering Design VI 2.0	_____	_____
_____	CPE 345 Modeling and Simulation 3.0	_____	_____
_____	CPE 462 Intro. to Image Processing & Coding 3.0	_____	_____
_____	E 355 Engineering Economics 4.0	_____	_____
_____	Science Elective II <sup>2</sup> 3.0	_____	_____
_____	GE <sup>3</sup> 3.0	_____	_____
_____	IDE <sup>4</sup> 400 Senior Innovation I 1.0	_____	_____

### Notes:

1. Humanities Requirement - Four additional humanities classes. At least one must be at the 100 or 200 level, at least one must be at the 300 or 400 level, and courses must cover at least two different disciplines within CAL.

2. Computer Engineering students can choose from CH 116, BIO 281, PEP 201 w/ lab, NANO 200, EN 250, PEP 151, CE 240, PEP 242, PEP 336, and PEP 351 as long as one lab is included in the 2 courses to fulfill science requirement. The following pairs: BIO 281/EN 250 and PEP 201/PEP 242 cannot be taken together as Science Elective I & II.

3. General Education Electives – chosen by the student – can be any approved 3 or 4 credit course used towards a minor, major concentration, research, independent study, language courses, or a course taken during an international experience.

4. IDE 400 can be taken concurrently with IDE 401 in Term VII as determined by the engineering program.

5. These courses are the Core major courses for the Computer Engineering program.

6. PE Requirement- All students must complete a minimum of four semesters of Physical Education (P.E.) 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 Physical Education requirements.

Term	Course	Credits	Grade
<b>TERM VII</b>			
_____	CPE 423 Engineering Design VII 3.0	_____	_____
_____	CPE 487 Digital System Design 3.0	_____	_____
_____	IDE <sup>4</sup> 401 Senior Innovation II 1.0	_____	_____
_____	GE <sup>3</sup> 3.0	_____	_____
_____	Technical Elective 3.0	_____	_____
_____	Technical Elective 3.0	_____	_____
<b>TERM VIII</b>			
_____	CPE 424 Senior Design VIII 3.0	_____	_____
_____	Technical Elective 3.0	_____	_____
_____	Technical Elective 3.0	_____	_____
_____	Humanities <sup>1</sup> 3.0	_____	_____
_____	GE <sup>3</sup> 3.0	_____	_____
_____	IDE <sup>4</sup> 402 Senior Innovation III 1.0	_____	_____

### Additional Courses

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

### PE Required Courses<sup>6</sup>

Term	Course	Credits	Grade	Term	Course	Credits	Grade
_____	PE 200 _____	PE	_____	_____	PE 200 _____	PE	_____
_____	PE 200 _____	PE	_____	_____	PE 200 _____	PE	_____

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

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

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

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

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