



# Bachelor of Engineering – Student entering 2020 Fall

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

## Study Plan Application for Candidacy (check one)

Name \_\_\_\_\_ ID: \_\_\_\_\_ Class: \_\_\_\_\_ Box S- \_\_\_\_\_ Email: \_\_\_\_\_

Major Concentration Field: Chemical 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.

<u>Term I</u>	Course	Credits	Grade	<u>Term III</u>	Course	Credits	Grade
	<b>(Indicate Year and Semester Taken)</b>				<b>(Indicate Year and Semester Taken)</b>		
_____	CH 115- General Chemistry I	3.0	_____	_____	E 126- Mechanics of Solids	4.0	_____
_____	CH 117- General Chemistry Laboratory I	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	_____	_____	Humanities <sup>1</sup> _____	3.0	_____
_____	MA 121- Differential Calculus	2.0	_____				
_____	MA 122- Integral Calculus	2.0	_____				
_____	CAL 103 <i>Writing &amp; Communication Colloquium</i>	3.0	_____				

<u>Term II</u>	Course	Credits	Grade	<u>Term IV</u>	Course	Credits	Grade
	<b>(Indicate Year and Semester Taken)</b>				<b>(Indicate Year and Semester Taken)</b>		
_____	CH 116- General Chemistry II	3.0	_____	_____	CHE 210 Process Analysis	3.0	_____
_____	CH 118- General Chemistry Laboratory II	1.0	_____	_____	CHE 234 Chemical Engineering Thermodynamics	4.0	_____
_____	E 122- Engineering Design II	2.0	_____	_____	E 232- Engineering Design IV	3.0	_____
_____	MA 123-Series, Vectors, Functions and Surfaces	2.0	_____	_____	E 344 Materials Processing	3.0	_____
_____	MA 124- Calculus of Two Variables	2.0	_____	_____	MA 227- Multivariable Calculus	3.0	_____
_____	MGT 103- Intro to Entrepreneurial Thinking	2.0	_____	_____	Humanities <sup>1</sup> _____	3.0	_____
_____	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 June 2019



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

<b>Term V</b>	Course	Credits	Grade
	<b>(Indicate Year and Semester Taken)</b>		
_____	CH 243- Organic Chemistry	3.0	_____
_____	CHE 332 Separations Operations	3.0	_____
_____	CHE 336 Fluid Mechanics	3.0	_____
_____	CHE 342 Heat and Mass Transfer	3.0	_____
_____	E 321 Engineering Design V	2.0	_____
_____	Humanities <sup>1</sup> _____	3.0	_____

<b>Term VI</b>	Course	Credits	Grade
	<b>(Indicate Year and Semester Taken)</b>		
_____	BIO 281 Biology and Biotechnology	3.0	_____
_____	CHE 322 Engineering Design VI	3.0	_____
_____	CHE 345 Process Control, Modeling, & Simulation	3.0	_____
_____	CHE 351 Reactor Design	3.0	_____
_____	E 243- Probability & Statistics for Engineers	3.0	_____
_____	E 355- Engineering Economics	4.0	_____
_____	IDE <sup>4</sup> 400 Senior Innovation I	1.0	_____

<b>Term VII</b>	Course	Credits	Grade
	<b>(Indicate Year and Semester Taken)</b>		
_____	CH 245 Organic Chemistry Laboratory	1.0	_____
_____	CHE 423 Engineering Design VII	3.0	_____
_____	CHE 432 Chemical Engineering Laboratory	2.0	_____
_____	IDE <sup>4</sup> 401 Senior Innovation II	1.0	_____
_____	GE <sup>3</sup> _____	3.0	_____
_____	TE Chemistry Elective _____	3.0/4.0	_____

<b>Term VIII</b>	Course	Credits	Grade
	<b>(Indicate Year and Semester Taken)</b>		
_____	CHE 424: Engineering Design VIII	3.0	_____
_____	Humanities <sup>1</sup> _____	3.0	_____
_____	GE <sup>3</sup> _____	3.0	_____
_____	GE <sup>3</sup> _____	3.0	_____
_____	TE <sup>2</sup> Chemistry Elective _____	3.0/4.0	_____
_____	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	_____

**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. Chemical Engineering Technical Electives are to be selected from approved ChE and Ch courses distributed to the ChE students.

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 Chemical 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.

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

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

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

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

Revised June 2019