



# Bachelor of Engineering – Student entering 2018 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: Environmental 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., 2015F, 2016S, 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>CH 116 General Chemistry II<sup>4</sup></b>	<b>3.0</b>	_____	_____	E 232 Engineering Design IV	3.0	_____
_____	<b>CH 118 General Chemistry Laboratory II<sup>4</sup></b>	<b>1.0</b>	_____	_____	CHE 234 Chemical Eng. Thermodynamics	3.0	_____
_____	E 122 Engineering Design II	2.0	_____	_____	MA 227 Multivariable Calculus	3.0	_____
_____	MA 123 Series, Vectors, Functions and Surfaces	2.0	_____	_____	<b>EN 377 Intro to Environmental Eng. Systems</b>	<b>3.0</b>	_____
_____	MA 124 Calculus of Two Variables	2.0	_____	_____	<b>EN 379 Environmental Engineering Lab.</b>	<b>1.0</b>	_____
_____	MGT 103 Intro to Entrepreneurial Thinking	2.0	_____	_____	<b>Science Elective<sup>4</sup></b> _____	<b>3.0</b>	_____
_____	PEP 111 Mechanics	3.0	_____	_____	<b>Humanities<sup>1</sup></b> _____	<b>3.0</b>	_____
_____	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 2017



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

Term	Course	Credits	Grade	Term	Course	Credits	Grade
<b>TERM V</b>				<b>TERM VII</b>			
_____	CE 342 Fluid Mechanics	4.0	_____	_____	EN 423 Engineering design VII	3.0	_____
_____	CHE 210 Process Analysis	3.0	_____	_____	EN 573 Biological Processes for Env. Control	3.0	_____
_____	EN 541 Fate and Transport of Env. Contaminants	3.0	_____	_____	EN 575 Environmental Biology	3.0	_____
_____	E 321 Engineering Design V	2.0	_____	_____	E 243 Probability and Statistics for Engineers	3.0	_____
_____	E 344 Materials Processing	3.0	_____	_____	IDE <sup>5</sup> 401 Senior Innovation II	1.0	_____
_____	Humanities <sup>1</sup> _____	3.0	_____	_____	GE <sup>2</sup> _____	3.0	_____
<b>TERM VI</b>				<b>TERM VIII</b>			
_____	EN 322 Engineering Design VI	2.0	_____	_____	EN 424 Senior Design VIII	3.0	_____
_____	E 355 Engineering Economics	4.0	_____	_____	EN 506 Air Pollution Principles and Control	3.0	_____
_____	EN 345 Modeling and Simulation of Env. Systems	3.0	_____	_____	EN 551 Env. Chemistry of Soils and Natural Surfaces	3.0	_____
_____	EN 570 Environmental Chemistry	3.0	_____	_____	Humanities <sup>1</sup> _____	3.0	_____
_____	EN 571 Physicochemical Process for Env. Control	3.0	_____	_____	GE <sup>2</sup> _____	3.0	_____
_____	GE <sup>2</sup> _____	3.0	_____	_____	IDE <sup>5</sup> 402 Senior Innovation III	1.0	_____
_____	IDE <sup>5</sup> 400 Senior Innovation I	1.0	_____				

**Notes:**

- 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.
- 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 international experience.
- These courses are the Core major courses for the Environmental Engineering program.
- Environmental Engineering students must take for Science 1: CH 116 and 118 and can choose for Science 2: CE 240 Intro to Geosciences, BIO 281 Biology, PEP 151 Introduction to Astronomy, NANO 200 Intro to Nanotechnology, EN250 Quantitative Biology (web course) or PEP201 Physics III for Engineers with lab. For a complete list of Science Electives, please visit the Academic Catalog for your entering year.
- IDE 400 can be taken concurrently with IDE 401 in Term VII as determined by the engineering program.
- 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 sports may be used to satisfy up to three credits of the P.E. requirement.

**Additional Courses**

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

**PE Required Courses<sup>5</sup>**

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

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

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

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