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: 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., 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 I		
_____	CH 115 General Chemistry I	3.0	_____
_____	CH 117 General Chemistry Laboratory	1.0	_____
_____	E 101 Engineering Experience	1.0	_____
_____	E 115 Introduction to Programming	2.0	_____
_____	E 120 Engineering Graphics	1.0	_____
_____	E 121 Engineering Design I	2.0	_____
_____	MA 121 Differential Calculus	2.0	_____
_____	MA 122 Integral Calculus	2.0	_____
_____	CAL 103 *Writing & Communication Colloquium*	3.0	_____
	TERM II		
_____	**CH 116 General Chemistry II[4]**	**3.0**	_____
_____	**CH 118 General Chemistry Laboratory II[4]**	**1.0**	_____
_____	E 122 Engineering Design II	2.0	_____
_____	MA 123 Series, Vectors, Functions and Surfaces	2.0	_____
_____	MA 124 Calculus of Two Variables	2.0	_____
_____	MGT 103 Intro to Entrepreneurial Thinking	2.0	_____
_____	PEP 111 Mechanics	3.0	_____
_____	CAL 105 *Knowledge, Nature, Culture*	3.0	_____

Term	Course	Credits	Grade
	TERM III		
_____	E 126 Mechanics of Solids	4.0	_____
_____	E 231 Engineering Design III	2.0	_____
_____	E 245 Circuits and Systems	3.0	_____
_____	MA 221 Differential Equations	4.0	_____
_____	PEP 112 Electricity and Magnetism	3.0	_____
_____	**Humanities[1]** _____	**3.0**	_____
	TERM IV		
_____	E 232 Engineering Design IV	3.0	_____
_____	CHE 234 Chemical Eng. Thermodynamics	3.0	_____
_____	MA 227 Multivariable Calculus	3.0	_____
_____	**EN 377 Intro to Environmental Eng. Systems**	**3.0**	_____
_____	**EN 379 Environmental Engineering Lab.**	**1.0**	_____
_____	**Science Elective[4]** _____	**3.0**	_____
_____	**Humanities[1]** _____	**3.0**	_____

☐ Original ☐ Revision ☐ 2nd Degree

Student Signature: _____ Date:_____

Faculty Advisor Signature: _____ Date:_____

UG Records Auditor: _____ Date:_____

Revised July 2020

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Secondary Concentration Field:_____

Term	Course	Credits	Grade
	TERM V		
_____	CE 342 Fluid Mechanics	4.0	_____
_____	CHE 210 Process Analysis	3.0	_____
_____	EN 541 Fate and Transport of Env. Contaminants	3.0	_____
_____	E 321 Engineering Design V	2.0	_____
_____	E 344 Materials Processing	3.0	_____
_____	Humanities[1] _____	3.0	_____
	TERM VI		
_____	EN 322 Engineering Design VI	2.0	_____
_____	E 355 Engineering Economics	4.0	_____
_____	EN 345 Modeling and Simulation of Env. Systems	3.0	_____
_____	EN 570 Environmental Chemistry	3.0	_____
_____	EN 571 Physicochemical Process for Env. Control	3.0	_____
_____	GE[2] _____	3.0	_____
_____	IDE[5] 400 Senior Innovation I	1.0	_____

Term	Course	Credits	Grade
	TERM VII		
_____	EN 423 Engineering design VII	3.0	_____
_____	EN 573 Biological Processes for Env. Control	3.0	_____
_____	EN 575 Environmental Biology	3.0	_____
_____	E 243 Probability and Statistics for Engineers	3.0	_____
_____	IDE[5] 401 Senior Innovation II	1.0	_____
_____	GE[2] _____	3.0	_____
	TERM VIII		
_____	EN 424 Senior Design VIII	3.0	_____
_____	EN 506 Air Pollution Principles and Control	3.0	_____
_____	EN 551 Env. Chemistry of Soils and Natural Surfaces	3.0	_____
_____	Humanities[1] _____	3.0	_____
_____	GE[2] _____	3.0	_____
_____	IDE[5] 402 Senior Innovation III	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. **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.**
3. **These courses are the Core major courses for the Environmental Engineering program.**
4. **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.**
5. **IDE 400 can be taken concurrently with IDE 401 in Term VII as determined by the 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 P.E. requirements.**

Additional Courses

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

PE Required Courses[5]

Term	Course	Credits	Grade	Term	Course	Credits	Grade
____	PE 200_____	PE	___	____	PE 200_____	PE	____
____	PE 200_____	PE	___	____	PE 200_____	PE	____

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