



Bachelor of Engineering – Student entering 2019 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: Civil 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
TERM I				TERM III			
_____	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	_____	_____	Humanities¹	3.0	_____
_____	MA 121 Differential Calculus	2.0	_____				
_____	MA 122 Integral Calculus	2.0	_____				
_____	CAL 103 <i>Writing & Communication Colloquium</i>	3.0	_____				
TERM II				TERM IV			
_____	CH 116 General Chemistry II⁶	3.0	_____	_____	CE 373 Structural Analysis	3.0	_____
_____	Science Elective Lab⁶	_____	_____	_____	BIO281 Biology & Biotechnology or CE240 Geoscience	3.0	_____
_____	E 122 Engineering Design II	2.0	_____	_____	E 232 Engineering Design IV	3.0	_____
_____	MA 123 Series, Vectors, Functions and Surfaces	2.0	_____	_____	E 234 Thermodynamics	3.0	_____
_____	MA 124 Calculus of Two Variables	2.0	_____	_____	MA 227 Multivariable Calculus	3.0	_____
_____	MGT 103 Intro to Entrepreneurial Thinking	2.0	_____	_____	Humanities¹	3.0	_____
_____	PEP 111 Mechanics	3.0	_____				
_____	CAL 105 <i>Knowledge, Nature, Culture</i>	3.0	_____				

Original Revision 2nd Degree

Student Signature: _____ Date: _____

Faculty Advisor Signature: _____ Date: _____

UG Records Auditor: _____ Date: _____

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Term	Course	Credits	Grade	Term	Course	Credits	Grade
TERM V				TERM VII			
_____	CE 342 Fluid Mechanics	4.0	_____	_____	CE 381 Civil Engineering Measurements Lab	3.0	_____
_____	CE 486 Structural Steel Design	3.0	_____	_____	CE 423 Engineering Design VII	3.0	_____
_____	E 321 Engineering Design V	2.0	_____	_____	CE 484 Reinforced Concrete Design	3.0	_____
_____	E 243 Probability of Statistics	3.0	_____	_____	IDE 401 ⁴ Senior Innovation II	1.0	_____
_____	E 344 Materials Processing	3.0	_____	_____	GE ³ _____	3.0	_____
_____	Humanities ¹ _____	3.0	_____	_____	TE ² _____	3.0	_____
TERM VI				TERM VIII			
_____	CE 322 Engineering Design VI	2.0	_____	_____	CE 424 Senior Design VIII	3.0	_____
_____	CE 304 Water Resources Engineering	3.0	_____	_____	Humanities ¹ _____	3.0	_____
_____	CE 483 Geotechnical Engineering	3.0	_____	_____	GE ³ _____	3.0	_____
_____	CE 345 Modeling and Simulation	3.0	_____	_____	IDE 402 Senior Innovation III	1.0	_____
_____	GE ³ _____	3.0	_____	_____	TE ² _____	3.0	_____
_____	E 355 Engineering Economics	4.0	_____	_____	TE ² _____	3.0	_____
_____	IDE 400 ⁴ Senior Innovation I	1.0	_____				

Notes:

1. Humanities Requirement i 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. Civil Engineering Technical Electives should be chosen from any 500 and 600 level course in Civil, Environmental, Ocean, and Mechanical Engineering. At least one of the Civil Technical Electives should be chosen from EN 377, CE 410 or CE 541.
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 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 Civil Engineering program.
6. Civil Engineering students must take CH 116 (with or without lab) & BIO 281 (with or without lab) or CE 240 as long as one lab between these courses is included to satisfy this Science Elective requirement. The Science elective lab can be taken either in Term II or Term IV.
7. PE Requirements-All students must complete a minimum of four semesters of Physical Education (P.E.) in nonrepeating 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.

Additional Courses

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

PE Required Courses⁷

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

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