



Bachelor of Engineering – Student entering 2019 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: Industrial and Systems 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., 2019F, 2020S, 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
<u>TERM I</u>				<u>TERM III</u>			
_____	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	_____				
<u>TERM II</u>				<u>TERM IV</u>			
_____	Science Elective² _____	3.0	_____	_____	ISE 225 Data Infrastructures	3.0	_____
_____	Science Elective Laboratory² _____	0/1.0	_____	_____	ISE 224 Informatics & Software Development	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	_____	_____	Science Elective II² _____	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: _____

Revised September 2019



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Secondary Concentration Field: _____

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TERM V			
_____	ISE 350 Logistics & Supply Chain Management	4.0	_____
_____	SYS 501 Probability and Statistics for Systems Eng.	3.0	_____
_____	EM 365 Statistics for Engineering Managers	4.0	_____
_____	E 321 Engineering Design V	2.0	_____
_____	E 344 Materials Processing	3.0	_____
_____	<u>Humanities¹</u>	3.0	_____
TERM VI			
_____	ISE 322 Engineering Design VI	2.0	_____
_____	ISE 345 Modeling and Simulation	3.0	_____
_____	SYS 581 Intro to Systems Engineering	3.0	_____
_____	ISE 357 Elements of Operations Research I	3.0	_____
_____	E 355 Engineering Economics	4.0	_____
_____	<u>GE³</u>	<u>3.0</u>	_____

Term	Course	Credits	Grade
TERM VII			
_____	ISE 423 Engineering Design VII	3.0	_____
_____	ISE 457 Elements of Operations Research II	3.0	_____
_____	Technical Elective⁶	3.0	_____
_____	IDE 400 ⁴ Senior Innovation	1.0	_____
_____	IDE 401 ⁴ Senior Innovation II	1.0	_____
_____	<u>GE</u>	<u>3.0</u>	_____
_____	<u>BT 244 Microeconomics¹</u>	<u>3.0</u>	_____
TERM VIII			
_____	ISE 424 Senior Design VIII	3.0	_____
_____	ISE 490 Data-mining and Applied Maching Learning	3.0	_____
_____	<u>Humanities¹</u>	<u>3.0</u>	_____
_____	ISE 451 Analysis of Networks and Strategies	3.0	_____
_____	<u>GE³</u>	<u>3.0</u>	_____
_____	IDE 402 ⁴ Senior Innovation III	1.0	_____

Notes:

1. Humanities Requirement- Four additional humanities classes. One of those must be BT 244, which count as upper level humanities courses (300/400). For the remaining courses one must be at the 100/200 level, and they must cover two different disciplines within CAL.
2. Engineering Management students can choose from a list of science electives courses. For the complete list of courses, please visit pages 78-79 of the Academic Catalog for your entering year.
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 Industrial and Systems Engineering program.
6. Any 500 level EM, ES, ISE, SES, SSW, or SYS course can count towards the Technical Elective requirements.

Additional Courses

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

PE Required Courses

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

7. 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 2nd Degree

Student Signature: _____ Date: _____

Faculty Advisor Signature: _____ Date: _____

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