



Bachelor of Engineering – Student entering 2021 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 I			
_____	CH 115 General Chemistry I	3.0	_____
_____	CH 117 General Chemistry Laboratory	1.0	_____
_____	ENGR 116 Introduction to Programmimg	3.0	_____
_____	ENGR 111 Intro to Engineering Design	4.0	_____
_____	MA 121 Differential Calculus	2.0	_____
_____	MA 122 Integral Calculus	2.0	_____
_____	CAL 103 <i>Writing & Communication Colloquium</i>	3.0	_____

Term	Course	Credits	Grade
TERM III			
_____	ENGR 211 Statics & Intro to Eng Mech	4.0	_____
_____	ENGR 245 Circuits and Systems	2.0	_____
_____	MA 221 Differential Equations	3.0	_____
_____	PEP 112 Electricity and Magnetism	4.0	_____
_____	ISE 224 Informatics & Software Development	3.0	_____

Term	Course	Credits	Grade
TERM II			
_____	Science Elective²	3.0	_____
_____	ENGR 122 Engineering Design II	2.0	_____
_____	MA 125 Vectors and Surfaces	2.0	_____
_____	MA 126 Calculus of MultiVariables	2.0	_____
_____	MGT 103 Intro to Entrepreneurial Thinking	2.0	_____
_____	PEP 111 Mechanics	3.0	_____
_____	CAL 105 <i>Knowledge, Nature, Culture</i>	3.0	_____

Term	Course	Credits	Grade
TERM IV			
_____	ISE 225 Data Infrastructures	3.0	_____
_____	Humanities¹	3.0	_____
_____	ENGR 212 Design of Dynamical Systems	4.0	_____
_____	ENGR 234 Thermodynamics	3.0	_____
_____	Math Elective²	2.0	_____
_____	Math Elective²	2.0	_____

Original Revision 2nd Degree

Student Signature: _____ Date: _____

Faculty Advisor Signature: _____ Date: _____

UG Records Auditor: _____ Date: _____

Revised September 2020



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Secondary Concentration Field: _____

Term	Course	Credits	Grade
TERM V			
_____	ISE 350 Logistics & Supply Chain Management	3.0	_____
_____	SYS 501 Probability and Statistics for Systems Eng.	3.0	_____
_____	EM 365 Statistics for Engineering Mgrs or 241	4.0	_____
_____	ENGR 311 Design with Materials	4.0	_____
_____	Humanities ¹ _____	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	_____
_____	IDE 399 ⁴ Eng Econ & Proj Mgt	2.0	_____
_____	BT 244 Microeconomics ¹	3.0	_____

Term	Course	Credits	Grade
TERM VII			
_____	ISE 423 Engineering Design VII	3.0	_____
_____	ISE 457 Elements of Operations Research II	3.0	_____
_____	Technical Elective ⁶ _____	3.0	_____
_____	Technical Elective ⁶ _____	3.0	_____
_____	IDE 401 ⁴ Senior Innovation II	1.0	_____
_____	GE _____	3.0	_____
TERM VIII			
_____	ISE 424 Senior Design VIII	3.0	_____
_____	ISE 490 Data-mining and Applied Maching Learning	3.0	_____
_____	ISE 451 Analysis of Networks and Strategies	3.0	_____
_____	Humanities ¹ _____	3.0	_____
_____	GE ³ _____	3.0	_____
_____	IDE 402 ⁴ Senior Innovation III	1.0	_____

Notes:

- Humanities Requirement- Four additional humanities classes. One of those must be BT 244, which counts as an 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.
- Students can choose from a list of science electives courses. For Math, students can choose between MA 224, MA 225 or MA 231. For the complete list of courses, please visit the Academic Catalog.
- 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.
- IDE 399 can be taken concurrently with IDE 401 in Term VII as determined by the engineering program.
- These courses are the Core major courses for the Industrial and Systems Engineering program.
- Any 500 level EM, ES, ISE, SES, SSW, or SYS course can count towards the Technical Elective requirements.

Additional Courses

Term	Course	Credits	Grade
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

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: _____

UG Records Auditor: _____ Date: _____