



# 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: Engineering Management      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
	<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	_____	_____	<u>Humanities<sup>1</sup></u>	<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>		
_____	<u>Science Elective<sup>2</sup></u>	<b>3.0</b>	_____	_____	<b>EM 275 Project Management</b>	<b>3.0</b>	_____
_____	<u>Science Elective Laboratory<sup>2</sup></u>	<b>0/1.0</b>	_____	_____	<b>EM 224 Informatics and Software Development</b>	<b>3.0</b>	_____
_____	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	_____	_____	<u>Science Elective II<sup>2</sup></u>	<b>3.0</b>	_____
_____	PEP 111 Mechanics	3.0	_____				
_____	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 September 2019



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Major Concentration Field: Engineering Management

Secondary Concentration Field: \_\_\_\_\_

Term	Course	Credits	Grade
<b>TERM V</b>			
_____	EM 301 Accounting and Business Analytics	4.0	_____
_____	EM 360 Operations Mgmt. and Process Engineering	3.0	_____
_____	EM 365 Statistics for Engineering Managers	4.0	_____
_____	E 321 Engineering Design V	2.0	_____
_____	E 344 Materials Processing	3.0	_____
_____	ISE 350	4.0	_____
<b>TERM VI</b>			
_____	EM 322 Engineering Design VI	2.0	_____
_____	EM 345 Modeling and Simulation	3.0	_____
_____	EM 385 Innovative System Design	3.0	_____
_____	EM 357 Elements of Operations Research	3.0	_____
_____	E 355 Engineering Economics	4.0	_____
_____	IDE 400 <sup>4</sup> Senior Innovation I	1.0	_____
_____	GE <sup>3</sup> _____	3.0	_____

Term	Course	Credits	Grade
<b>TERM VII</b>			
_____	EM 423 Engineering Design VII	3.0	_____
_____	EM 489 Data-Mining and Risk Assessment or FE Concentration _____	3.0	_____
_____	IDE 401 <sup>4</sup> Senior Innovation II	1.0	_____
_____	GE <sup>3</sup> _____	3.0	_____
_____	BT 244 Microeconomics <sup>1</sup>	3.0	_____
_____	Technical Elective <sup>6</sup> _____	3.0	_____
<b>TERM VIII</b>			
_____	EM 424 Senior Design VIII	3.0	_____
_____	EM 480 Managing the Development Enterprise	3.0	_____
_____	BT 243 Macroeconomics <sup>1</sup>	3.0	_____
_____	Humanities <sup>1</sup> _____	3.0	_____
_____	GE <sup>3</sup> _____	3.0	_____
_____	IDE 402 <sup>4</sup> Senior Innovation III	1.0	_____

### Additional Courses

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

### PE Required Courses<sup>7</sup>

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

### Notes:

1. Humanities Requirement- Four additional humanities classes. Two of those must be BT 244 and BT 243, 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 Engineering Management program.

6. Any 500 level EM, ES, ISE, SES, SSW, or SYS course can count towards the Technical Elective requirement.

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     2<sup>nd</sup> Degree

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

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