



# 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: 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., 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	Course	Credits	Grade
<b><u>TERM I</u></b>				<b><u>TERM III</u></b>			
_____	CH 115 General Chemistry I	3.0	_____	_____	ENGR 211 Statics & Intro to Eng Mech	4.0	_____
_____	CH 117 General Chemistry Laboratory	1.0	_____	_____	ENGR 245 Circuits and Systems	3.0	_____
_____	ENGR 116 Introduction to Programming	3.0	_____	_____	MA 221 Differential Equations	4.0	_____
_____	ENGR 111 Intro to Engineering Design	4.0	_____	_____	PEP 112 Electricity and Magnetism	3.0	_____
_____	MA 121 Differential Calculus	2.0	_____	_____	<b>EM 224 Informatics and Software Development</b>	<b>3.0</b>	_____
_____	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>			
_____	<b>Science Elective<sup>2</sup></b>	<b>3.0</b>	_____	_____	<b>BT 243 Macroeconomics</b>	<b>3.0</b>	_____
_____	ENGR 122 Engineering Design II	2.0	_____	_____	<b>EM 301 Accounting and Business Analytics</b>	<b>4.0</b>	_____
_____	MA 125 Vectors and Surfaces	2.0	_____	_____	ENGR 212 Design of Dynamical Systems	4.0	_____
_____	MA 126 Calculus of Multivariables	2.0	_____	_____	ENGR 234 Thermodynamics	3.0	_____
_____	MGT 103 Intro to Entrepreneurial Thinking	2.0	_____	_____	<b>MA Pick two Calculus _____ OR</b>	<b>4.0</b>	_____
_____	PEP 111 Mechanics	3.0	_____	_____	<b>Science Elective II<sup>2</sup></b>	<b>3.0</b>	_____
_____	CAL 105 <i>Knowledge, Nature, Culture</i>	3.0	_____	_____	<b>Science Elective Laboratory<sup>2</sup></b>	<b>1.0</b>	_____

Original     Revision     2<sup>nd</sup> Degree

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

Faculty Advisor Signature: \_\_\_\_\_ Date: \_\_\_\_\_

UG Records Auditor: \_\_\_\_\_ Date: \_\_\_\_\_

Revised August 2021



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Major Concentration Field: Engineering Management

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

Term	Course	Credits	Grade
<b>TERM V</b>			
_____	EM 360 Operations Mgmt. and Process Engineering	3.0	_____
_____	EM 365 Statistics for Engineering Mgrs or 241	4.0	_____
_____	ENGR 311 Design with Materials	4.0	_____
_____	Humanities <sup>1</sup>	3.0	_____
_____	ISE 350 Logistics and Supply Chain Mgt	3.0	_____
<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	_____
_____	IDE 399 <sup>4</sup> Eng. Econ & Proj. Mgt	2.0	_____
_____	BT 244 Microeconomics <sup>1</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 Course _____	3.0	_____
_____	IDE 401 <sup>4</sup> Senior Innovation II	1.0	_____
_____	GE <sup>3</sup>	3.0	_____
_____	Technical Elective <sup>6</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	_____
_____	Technical Elective <sup>6</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	_____

- Notes:**
- 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.
  - Engineering Management students can choose from a list of science electives courses. Or they can take 4 credits of Math.  
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 Engineering Management program.
  - Any 500 level EM, ES, ISE, SES, SSW, or SYS course can count towards the Technical Elective requirement.

### 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	_____

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.

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