



# Bachelor of Engineering – Student entering 2022 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: Software 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.,2021F,2022S,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 Laboratory	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>SSW 215 Individual Software Engineering</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>SSW 315 Obj Based Software Dev</b>	<b>3.0</b>	_____
_____	ENGR 122 Engineering Design II	2.0	_____	_____	ENGR 212 Design of Dynamical Systems	4.0	_____
_____	MA 125 Vectors and Surfaces	2.0	_____	_____	ENGR 234 Thermodynamics	3.0	_____
_____	MA 126 Calculus of Multivariables	2.0	_____	_____	<b>Humanities<sup>1</sup></b> _____	<b>3.0</b>	_____
_____	MGT 103 Intro to Entrepreneurial Thinking	2.0	_____	_____	<b>Science Elective Laboratory II<sup>2</sup></b> _____	<b>4.0</b>	_____
_____	PEP 111 Mechanics	3.0	_____				
_____	CAL105 <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 August 2021



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Email: \_\_\_\_\_ Major Concentration Field: Software Engineering

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

Term	Course	Credits	Grade
<b>TERM V</b>			
_____	<b>SSW 345 Model Based Sfw Engineerin</b>	<b>3.0</b>	_____
_____	ENGR 241 Prob and Stat with data sci	4.0	_____
_____	ENGR 311 Design with Materials	4.0	_____
_____	Humanities <sup>1</sup> _____	3.0	_____
_____	<b>ISE 350 Logistics and Supply Chain Mgt.</b>	<b>3.0</b>	_____
<b>TERM VI</b>			
_____	<b>SSW 322 Engineering Design VI</b>	<b>2.0</b>	_____
_____	<b>SSW 555 Agile Methods</b>	<b>3.0</b>	_____
_____	<b>SSW 564 Software Req Engineering</b>	<b>3.0</b>	_____
_____	<b>ISE 490 Machine Lrning and DataMining</b>	<b>3.0</b>	_____
_____	IDE399 <sup>4</sup> Eng.Econ & Proj.MGt _____	2.0	_____
_____	Technical Elective <sup>6</sup> _____	3.0	_____

Term	Course	Credits	Grade
<b>TERM VII</b>			
_____	<b>SSW 567 Software Testing and QA</b>	<b>3.0</b>	_____
_____	<b>SSW 590 DevOps</b>	<b>3.0</b>	_____
_____	IDE 401 Senior Innovation II	1.0	_____
_____	General Elective <sup>3</sup> _____	3.0	_____
_____	Humanities <sup>1</sup> _____	3.0	_____
_____	<b>SSW 423 Senior Design</b>	<b>3.0</b>	_____
<b>TERM VIII</b>			
_____	<b>SSW 424 Senior Design VIII</b>	<b>3.0</b>	_____
_____	<b>SSW 533 Software Est and Metrics</b>	<b>3.0</b>	_____
_____	<b>SYS 581 Sys Eng Arch</b>	<b>3.0</b>	_____
_____	Humanities <sup>1</sup> _____	3.0	_____
_____	General Elective <sup>3</sup> _____	3.0	_____
_____	IDE 402 <sup>4</sup> Senior Innovation III	1.0	_____

**Additional Courses**

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

1. Humanities Requirement- Four additional humanities classes. One of those must be an upper level humanities course (300/400), and one must be a lower-level humanities course (100/200), they must cover two different disciplines within CAL. 2. Software Engineering students can choose from a list of science electives courses. For the complete list of courses, please visit the Academic Catalog.

- 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 399 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 Software Engineering program.
- 6. Any 500 level EM, SSW, CS, ISE, SYS, CE course can count towards the Technical Elective requirement.

**PE optional 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 Option: No credit or grades are awarded for P.E. classes. Participation in varsity and club sports may be used to satisfy the Physical Education optional courses.

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

Student Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
 Faculty Advisor Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
 UG Records Auditor: \_\_\_\_\_ Date: \_\_\_\_\_