



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: 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 |
|-----------------------|---|------------|-------|------------------------|---|------------|-------|
| <u>TERM I</u> | | | | <u>TERM III</u> | | | |
| _____ | 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 | _____ | _____ | SSW 215 Individual Software Engineering | 3.0 | _____ |
| _____ | 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 | _____ | _____ | SSW 315 Obj Based Software Dev | 3.0 | _____ |
| _____ | 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 | _____ | _____ | Humanities¹ _____ | 3.0 | _____ |
| _____ | MGT 103 Intro to Entrepreneurial Thinking | 2.0 | _____ | _____ | Science Elective Laboratory II² _____ | 4.0 | _____ |
| _____ | PEP 111 Mechanics | 3.0 | _____ | | | | |
| _____ | CAL105 <i>Knowledge, Nature, Culture</i> | 3.0 | _____ | | | | |

Original Revision 2nd Degree

Student Signature: _____ Date: _____

Faculty Advisor Signature: _____ Date: _____

UG Records Auditor: _____ Date: _____

Revised August 2021



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|----------------|---|---------|-------|---------------------------|--|---------|-------|
| TERM V | | | | TERM VII | | | |
| _____ | SSW 345 Model Based Sfw Engineerin | 3.0 | _____ | _____ | SSW 567 Software Testing and QA | 3.0 | _____ |
| _____ | ENGR 241 Prob and Stat with data sci | 4.0 | _____ | _____ | SSW 590 DevOps | 3.0 | _____ |
| _____ | ENGR 311 Design with Materials | 4.0 | _____ | _____ | IDE 401 Senior Innovation II | 1.0 | _____ |
| _____ | Humanities ¹ _____ | 3.0 | _____ | _____ | General Elective ³ _____ | 3.0 | _____ |
| _____ | ISE 350 Logistics and Supply Chain Mgt. | 3.0 | _____ | _____ | Humanities ¹ _____ | 3.0 | _____ |
| TERM VI | | | | TERM VIII | | | |
| _____ | SSW 322 Engineering Design VI | 2.0 | _____ | _____ | SSW 424 Senior Design VIII | 3.0 | _____ |
| _____ | SSW 555 Agile Methods | 3.0 | _____ | _____ | SSW 533 Software Est and Metrics | 3.0 | _____ |
| _____ | SSW 564 Software Req Engineering | 3.0 | _____ | _____ | SYS 581 Sys Eng Arch | 3.0 | _____ |
| _____ | ISE 490 Machine Lrning and DataMining | 3.0 | _____ | _____ | Humanities ¹ _____ | 3.0 | _____ |
| _____ | IDE399 ⁴ Eng.Econ & Proj.MGt _____ | 2.0 | _____ | _____ | General Elective ³ _____ | 3.0 | _____ |
| _____ | Technical Elective ⁶ _____ | 3.0 | _____ | _____ | IDE 402 ⁴ Senior Innovation III | 1.0 | _____ |
| | | | | Additional Courses | | | |
| | | | | _____ | | | |
| | | | | _____ | | | |
| | | | | _____ | | | |
| | | | | _____ | | | |

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 Courses⁷

| 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 2nd Degree

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Faculty Advisor Signature: _____ Date: _____

UG Records Auditor: _____ Date: _____