



Bachelor of Science – Student entering 2018 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

Name _____ ID: _____ Class: _____ Box S- _____ Email: _____

Major Concentration Field: Science, Technology, & Society 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., 2016F, 2017S, 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 |
|----------------|--|------------|-------|-----------------|--|------------|-------|
| TERM I | | | | TERM III | | | |
| _____ | CS Requirement² | 3.0 | _____ | _____ | STS Major Course⁴ | 3.0 | _____ |
| _____ | MA 117 Calculus I | 4.0 | _____ | _____ | STS Major Course⁴ | 3.0 | _____ |
| _____ | HST 120 Introduction to Science and Technology Studies | 3.0 | _____ | _____ | Science Elective² | 3.0 | _____ |
| _____ | HHS 130 History of Science and Technology | 3.0 | _____ | _____ | Secondary Concentration⁶ | 3.0 | _____ |
| _____ | CAL 103 <i>Writing & Communication Colloquium</i> | 3.0 | _____ | _____ | General Elective³ | 3.0 | _____ |
| TERM II | | | | TERM IV | | | |
| _____ | HPL 112 Science and Metaphysics | 3.0 | _____ | _____ | STS Major Course⁴ | 3.0 | _____ |
| _____ | MA 236 Intro to Mathematical Reasoning | 3.0 | _____ | _____ | STS Major Course⁴ | 3.0 | _____ |
| _____ | or MA 134 Discrete Mathematics | 3.0 | _____ | _____ | Science Elective² | 3.0 | _____ |
| _____ | CAL 105 <i>Knowledge, Nature, Culture</i> | 3.0 | _____ | _____ | General Elective³ | 3.0 | _____ |
| _____ | HST 160 Intro to Science Communication | 3.0 | _____ | _____ | Non- Major Humanities¹ | 3.0 | _____ |
| _____ | HLI 220 Images of Science in Literature | 3.0 | _____ | | | | |

Original Revision 2nd Degree

Student Signature: _____ Date: _____

Faculty Advisor Signature: _____ Date: _____

UG Records Auditor: _____ Date: _____



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| Term | Course | Credits | Grade |
|---------------|--|---------|-------|
| TERM V | | | |
| _____ | STS Major Course ⁴ _____ | 3.0 | _____ |
| _____ | Secondary Concentration ⁶ _____ | 3.0 | _____ |
| _____ | Science Elective ² _____ | 3.0 | _____ |
| _____ | General Elective ³ _____ | 3.0 | _____ |
| _____ | STS Major Course ⁴ _____ | 3.0 | _____ |

| | | | |
|----------------|--|-----|-------|
| TERM VI | | | |
| _____ | OR HST 301 Research Design and Methods _____ | 3.0 | _____ |
| _____ | Secondary Concentration ⁶ _____ | 3.0 | _____ |
| _____ | _____ | 3.0 | _____ |
| _____ | _____ | 3.0 | _____ |
| _____ | General Elective ³ _____ | 3.0 | _____ |

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| Term | Course | Credits | Grade |
|-----------------|--|---------|-------|
| TERM VII | | | |
| _____ | STS Major Course ⁴ _____ | 3.0 | _____ |
| _____ | STS Major Course ⁴ _____ | 3.0 | _____ |
| _____ | Secondary Concentration ⁶ _____ | 3.0 | _____ |
| _____ | CAL 498 Thesis Prep _____ | 0 | _____ |
| _____ | General Elective ³ _____ | 3.0 | _____ |

| | | | |
|------------------|--|-----|-------|
| TERM VIII | | | |
| _____ | Secondary Concentration ⁶ _____ | 3.0 | _____ |
| _____ | CAL 499 Senior Thesis _____ | 3.0 | _____ |
| _____ | Non-Major Hum ¹ _____ | 3.0 | _____ |
| _____ | _____ | 3.0 | _____ |
| _____ | General Elective ³ _____ | 3.0 | _____ |

| PE Requirement ⁵ | | | | | | | |
|-----------------------------|--------------|--------|-------|-------|--------------|--------|-------|
| Term | Course | Credit | Grade | Term | Course | Credit | Grade |
| _____ | PE 200 _____ | PE | _____ | _____ | PE 200 _____ | PE | _____ |
| _____ | PE 200 _____ | PE | _____ | _____ | PE 200 _____ | PE | _____ |

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Science, Technology & Society Study Plan Notes

1. Non-Major Humanities Requirement – Students must take HHS 130, HST 120, HLI 220, HPL 112 and two additional humanities in another CAL discipline outside of the student’s major field.
2. All STS students are required are required to take math, computer science and science electives. Students are recommended to choose from PEP 123 (Fall), MA 134, MA 236 (Spring), PEP 124 (Spring), PEP 151 (Spring), CH 115, BT 221 (Fall), CH 281. Students may take any science or math courses as long as they have the prerequisites required, if any. Students may choose from CS 105, CS 115, or HAR 271 to satisfy the computer science requirement. The advisor must approve the choice of classes.
3. General 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. For a complete list of courses that satisfy Global and Environmental electives, please meet with your faculty advisor.
4. Please see the list below of core major courses for this program offered through the College of Arts and Letters that would satisfy the STS Major Courses. Students can also choose to fulfill this requirement by taking certain math, science, and business courses offered by the School of Business and the School of Engineering and Science. Students may choose these courses as long as they have taken the prerequisites required, if any, and the courses are not being counted to fulfill other program requirements such as the Science, Math, or CS electives or are being counted towards requirements for other degrees. See below for the complete list of science, math and business courses.
5. 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 sports may be used to satisfy up to three P.E. requirement.
6. Secondary Concentration: This can be chosen from all disciplines offered at Stevens upon consultation with your faculty advisor.

Students can choose from the list below to satisfy the remaining Science, Technology, and Society Major Courses:

HST 250: Medical Humanities
HST 320: Science and the Media
HST 330: Environmental Communication
HST 325: Visualizing Society
HST 340: Global Public Health
HST 350: Medical Anthropology
HST 370: Biology, Eugenics, and Society
HST 380: Standardization and Society
HST 390: Anthropology of Technology
HST 401: Seminar in Science Writing
HST 411: Nuclear Energy & Society
HST 415: The Nuclear Era
HST 450: The History of Stevens
HST 470: War and Science
HST 495: Special Topics in STS

HAR 240: Web Design I
HAR 380: Media Culture & Theory

HPL 368: Philosophy of Science
HPL 369: Science and Religion
HPL 380: Environmental Ethics
HPL 455: Ethical Issues in Science and Technology
HPL 480: Environmental Policy

HSS 127: Introduction to Political Science
HSS 141: Introduction to Sociology
HSS 175: Fundamentals of Psychology
HSS 331: Biological Psychology
HSS 371: Computers & Society
HSS 441: Gender and Race in Science and Engineering
HSS 458: Sociology of Science & Technology
HSS 478 Psychology of Gender

HHS 310: Social History of Science
HHS 363: Darwin and the Darwinian Revolution
HHS 369: Studies in the Scientific Revolution
HHS 414: Industrial America
HHS 465: From Caves to Cathedrals: Engineering and Technology Until 1500
HHS 466: Water, Wind & Steam: Engineering from 1400-1750
HHS 467: Engineering Empire From 1700-2000

HHS 476: History of Medicine
HHS 479: Studies in the History of Technology

HLI 316: Science Fiction
HLI 321: Literature, Science & Technology
HLI 338: Thoreau and the Environment

BT 330: Social Psychology and Organizational Behavior
BT 423: Intellectual Property and International Business Law
MIS 201: Fundamentals of Information Systems

MBE 306: Introduction to Biomedical Engineering
EN 377: Intro to Environmental Engineering Systems
EN 379: Environmental Engineering Lab
EN 530: Introduction to Sustainable Engineering

CH 115: General Chemistry I (+ CH 117 Lab)
CH 116: General Chemistry II (+ CH 118 Lab)
CH 189: Seminar in Chemistry and Biology (1 credit)
CH 281: Biology and Biotechnology (+CH 282 Lab)
CH 381: Cell Biology
CH 382: Biological Systems
CH 484: Molecular Genetics (+Lab)

CS 544: Health Informatics
MA 236: Introduction to Mathematical Reasoning

PEP 111: Mechanics
PEP 112: Electricity & Magnetism
PEP 123: General Physics I
PEP 124: General Physics II
PEP 151: Introduction to Anatomy
PEP 334: Introduction to Nuclear Physics and Nuclear Reactors
PEP 336: Introduction to Astrophysics & Cosmology
PRV 501: Topics in Personalized Medicine

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