



# Bachelor of Science – 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

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 |
|-------|---|---------|-------|-------|--|---------|-------|
|       | <b>TERM I</b>   |         |       |       | <b>TERM III</b>  |         |       |
| _____ | CS Requirement <sup>2</sup>                               | 3.0     | _____ | _____ | MA 236 Intro to Mathematical Reasoning<br>or MA 134 Discrete Mathematics | 3.0     | _____ |
| _____ | STS Humanities Core                                       | 3.0     | _____ | _____ | Secondary Concentration <sup>6</sup>                                     | 3.0     | _____ |
| _____ | HST 120 Introduction to Science and<br>Technology Studies | 3.0     | _____ | _____ | General Elective <sup>4</sup>  | 3.0     | _____ |
| _____ | HHS 130 History of Science and Technology                 | 3.0     | _____ | _____ | STS Major Course <sup>4</sup>  | 3.0     | _____ |
| _____ | CAL 103 Writing & Communications Colloquium               | 3.0     | _____ | _____ | Science Elective <sup>2</sup>  | 3.0     | _____ |
|       | <b>TERM II</b>  |         |       |       | <b>TERM IV</b>   |         |       |
| _____ | CAL 105 Cal Colloquium: Knowledge, Nature, Culture        | 3.0     | _____ | _____ | STS Major Course <sup>4</sup>  | 3.0     | _____ |
| _____ | MA 117 Calculus I   | 4.0     | _____ | _____ | STS Major Course <sup>4</sup>  | 3.0     | _____ |
| _____ | STS Humanities Core <sup>4</sup>                          | 3.0     | _____ | _____ | Science Elective <sup>2</sup>  | 3.0     | _____ |
| _____ | STS Humanities Core <sup>4</sup>                          | 3.0     | _____ | _____ | General Elective <sup>4</sup>  | 3.0     | _____ |
| _____ | STS Humanities Core <sup>4</sup>                          | 3.0     | _____ | _____ | Non- Major Humanities <sup>1</sup>                                       | 3.0     | _____ |

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

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

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

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



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Major Concentration Field: Science, Technology, & Society Secondary Concentration Field: \_\_\_\_\_

| Term          | Course                               | Credits | Grade |
|---------------|--------------------------------------|---------|-------|
| <b>TERM V</b> |                                      |         |       |
| _____         | STS Major Course <sup>5</sup>        | 3.0     | _____ |
| _____         | STS Major Course <sup>5</sup>        | 3.0     | _____ |
| _____         | Secondary Concentration <sup>6</sup> | 3.0     | _____ |
| _____         | Science Elective <sup>2</sup>        | 3.0     | _____ |
| _____         | General Elective <sup>4</sup>        | 3.0     | _____ |

| Term            | Course                               | Credits | Grade |
|-----------------|--------------------------------------|---------|-------|
| <b>TERM VII</b> |                                      |         |       |
| _____           | STS Major Course <sup>5</sup>        | 3.0     | _____ |
| _____           | STS Major Course <sup>5</sup>        | 3.0     | _____ |
| _____           | Secondary Concentration <sup>6</sup> | 3.0     | _____ |
| _____           | CAL 498 Thesis Prep                  | 3.0     | _____ |
| _____           | General Elective <sup>4</sup>        | 3.0     | _____ |

|                |   |     |       |
|----------------|---|-----|-------|
| <b>TERM VI</b> |   |     |       |
| _____          | CAL 301 Seminar in Writing and Research Methods<br>OR HST 301 Research Design and Methods | 3.0 | _____ |
| _____          | Secondary Concentration <sup>6</sup>  | 3.0 | _____ |
| _____          | STS Major Course <sup>5</sup>   | 3.0 | _____ |
| _____          | STS Major Course <sup>5</sup>   | 3.0 | _____ |
| _____          | General Elective <sup>4</sup>   | 3.0 | _____ |

|                  |                                      |     |       |
|------------------|--------------------------------------|-----|-------|
| <b>TERM VIII</b> |                                      |     |       |
| _____            | Secondary Concentration <sup>6</sup> | 3.0 | _____ |
| _____            | CAL 499 Senior Thesis                | 4.0 | _____ |
| _____            | Non-Major Humanities <sup>1</sup>    | 3.0 | _____ |
| _____            | STS Major Course <sup>5</sup>        | 3.0 | _____ |
| _____            | General Elective <sup>4</sup>        | 3.0 | _____ |

Additional Courses

|       |       |       |       |
|-------|-------|-------|-------|
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |

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

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

# 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), BIO 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. STS Humanities Core: HPL 111, HPL 112, HST 160, HLI 220, HHS 127, HSS 141, HSS 175
4. 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.
5. 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.
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 360: International Business  
BT 435: Social Networking: A Marketing Perspective  
BT 445: Consumer Behavior  
MIS 201: Fundamentals of Information Systems

BME 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)  
BIO 281: Biology and Biotechnology (+BIO 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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