



# Bachelor of Science – Student entering 2017 Fall

## Study Plan Application for Candidacy

Stevens Institute of Technology  
 Castle Point on Hudson  
 Hoboken, NJ 07030  
 Office of the Registrar  
 201.216.5210  
 FAX: 201.216.8030

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><u>TERM I</u></b>				<b><u>TERM III</u></b>			
_____	<b>CS Requirement<sup>2</sup></b>	<b>3.0</b>	_____	_____	<b>STS Major Course<sup>4</sup></b>	<b>3.0</b>	_____
_____	MA 117 Calculus I	4.0	_____	_____	<b>STS Major Course<sup>4</sup></b>	<b>3.0</b>	_____
_____	HST 120 Introduction to STS	3.0	_____	_____	<b>Science Elective<sup>2</sup></b>	<b>3.0</b>	_____
_____	HHS 130 History of Science and Technology	3.0	_____	_____	<b>Secondary Concentration<sup>6</sup></b>	<b>3.0</b>	_____
_____	CAL 103 <i>Writing &amp; Communication Colloquium</i>	3.0	_____	_____	<b>General Elective<sup>3</sup></b>	<b>3.0</b>	_____
<b><u>TERM II</u></b>				<b><u>TERM IV</u></b>			
_____	HPL 112 Science and Metaphysics	3.0	_____	_____	<b>STS Major Course<sup>4</sup></b>	<b>3.0</b>	_____
_____	MA 236 Intro to Mathematical Reasoning	3.0	_____	_____	<b>STS Major Course<sup>4</sup></b>	<b>3.0</b>	_____
_____	<b>or</b> MA 134 Discrete Mathematics	3.0	_____	_____	<b>Science Elective<sup>2</sup></b>	<b>3.0</b>	_____
_____	CAL 105 <i>Knowledge, Nature, Culture</i>	3.0	_____	_____	<b>General Elective<sup>3</sup></b>	<b>3.0</b>	_____
_____	HST 160 Intro to Science Communication	3.0	_____	_____	<b>Non- Major Hum<sup>1</sup></b>	<b>3.0</b>	_____
_____	HLI 220 Images of Science in Literature	3.0	_____				

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

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

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

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



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Name \_\_\_\_\_ ID: \_\_\_\_\_ Class: \_\_\_\_\_ Box S- \_\_\_\_\_ Email: \_\_\_\_\_

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

Term	Course	Credits	Grade
<b>TERM V</b>			
_____	STS Major Course <sup>4</sup> _____	3.0	_____
_____	Secondary Concentration <sup>6</sup> _____	3.0	_____
_____	Research Methods: CAL 301 or HST 360 _____	3.0	_____
_____	Science Elective <sup>2</sup> _____	3.0	_____
_____	General Elective <sup>3</sup> _____	3.0	_____

<b>TERM VI</b>			
_____	STS Major Course <sup>4</sup> _____	3.0	_____
_____	Secondary Concentration <sup>6</sup> _____	3.0	_____
_____	STS Major Course <sup>4</sup> _____	3.0	_____
_____	STS Major Course <sup>4</sup> _____	3.0	_____
_____	General Elective <sup>3</sup> _____	3.0	_____

Term	Course	Credits	Grade
<b>TERM VII</b>			
_____	STS Major Course <sup>4</sup> _____	3.0	_____
_____	STS Major Course <sup>4</sup> _____	3.0	_____
_____	Secondary Concentration <sup>6</sup> _____	3.0	_____
_____	CAL 498 Thesis Prep _____	3.0	_____
_____	General Elective <sup>3</sup> _____	3.0	_____

<b>TERM VIII</b>			
_____	Secondary Concentration <sup>6</sup> _____	3.0	_____
_____	CAL 499 Senior Thesis _____	3.0	_____
_____	Non-Major Hum II <sup>1</sup> _____	3.0	_____
_____	STS Major Course <sup>4</sup> _____	3.0	_____
_____	General Elective <sup>3</sup> _____	3.0	_____

Additional Courses

_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

PE Requirement<sup>5</sup>

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. 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 320: Science and the Media  
HST 415: The Nuclear Era  
HST 401: Seminar in Science Writing  
HST 250: Medical Humanities  
HST 325: Visualizing Society  
HST 340: Global Public Health  
HST 350: Medical Anthropology  
HST 366: History of the Automobile  
HST 370 Biology, Eugenics, and Society  
HST 380 Standardization and Society  
HST 390: Anthropology of Technology  
HST 450: The History of Stevens  
HST 470: War and Science

HAR 240: Introduction to Web Media for the Arts  
HAR 480: Media Culture & Theory  
HMU 205: Intro to Digital Media

HPL 369: Science and Religion  
HPL 380: Environmental Ethics  
HPL 457: Bioethics  
HPL 368: Philosophy of Science  
HPL 455: Ethical Issues in Science and Technology  
HPL 480: Environmental Policy

HSS 127: Introduction to Political Science  
HSS 175: Fundamentals of Psychology  
HSS 371: Computers & Society  
HSS 458: Sociology of Science & Technology  
HHS 310: Social History of Science  
HHS 312: Technology & Society in America  
HHS 363: Darwin and the Darwinian Revolution  
HHS 414: Industrial America  
HHS 451: From Ape to Adam: Understanding Human Evolution  
HHS 476: History of Medicine  
HHS 369: Studies in the Scientific Revolution  
HHS 465: Engineering in History  
HHS 479: Studies in the History of Technology

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

HSS 141: Introduction to Sociology  
HSS 331: Biological Psychology  
HSS 441: Gender and Race in Science and Engineering  
HSS 478: Psychology of Gender

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

BME 306 Introduction to Biomedical Engineering  
EN 377 Intro 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 Astronomy  
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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