



Bachelor of Science - Cybersecurity - Students Entering Fall 2017

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: _____ CWID: _____ Class: _____ Box S- _____ E-mail: _____

Major Concentration Field: Cybersecurity Minor Field(s) (If Any): _____

Instructions: 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., 17F, 18S, etc.). Roman numerals indicate the standard curriculum time schedule. If a choice of courses is given for a requirement, circle the appropriate course number. For electives, fill in the course number. Any courses taken elsewhere should be marked **TR**. An additional study plan will be required if you wish to receive a minor or a second degree.

Term	Course	Credits	Grade	Term	Course	Credits	Grade
<u>REQUIRED COURSES</u>				<u>REQUIRED COURSES</u>			
I	Science I	3.0	_____	III	CS306 – Introduction to IT Security	4.0	_____
II	Science II	3.0	_____	III	CS334 – Automata & Computation	3.0	_____
II	Science Lab	1.0	_____	III	CS383 - Computer Organization & Programming	3.0	_____
I	MA121 – Differential Calculus	2.0	_____	III	CS385 – Algorithms	4.0	_____
I	MA122 – Integral Calculus	2.0	_____	IV	CS347 – Software Development Process	3.0	_____
II	MA123 – Series, Vectors, Functions, and Surfaces	2.0	_____	IV	CS392 - Systems Programming	3.0	_____
II	MA124 - Calculus for Functions of Two Variables	2.0	_____	IV	CS496 – Principles of Programming Languages	3.0	_____
IV	MA222 - Probability and Statistics	3.0	_____	V	CS442 - Database Management Systems	3.0	_____
IV	MA232 – Lin. Algebra or MA236 Math. Reasoning	3.0	_____	V	CS/MA503 - Discrete Math for Cryptography	3.0	_____
I	PE200 - Physical Education I	0.0	_____	V	CS576 - Systems Security	4.0	_____
II	PE200 - Physical Education II	0.0	_____	V	CS578 - Privacy in a Networked World	3.0	_____
III	PE200 - Physical Education III	0.0	_____	VI	CS488 - Computer Architecture	3.0	_____
IV	PE200 - Physical Education IV	0.0	_____	VI	CS492 - Operating Systems	3.0	_____
I	CS115 or CS181 - Introduction to Computer Science ¹	4.0	_____	VI	CS595 – Information Security & the Law	3.0	_____
I	CS146 – Intro to Web Prog. & Project Dev.	3.0	_____	VI	CS579 - Foundations of Cryptography	3.0	_____
II	CS135 - Discrete Structures	4.0	_____	VII	CS425 – Cybersecurity Capstone I	3.0	_____
II	CS284 or CS182 - Data Structures	4.0	_____	VII	CS485 – Societal Impact of IT	1.0	_____
				VII	CS511 - Concurrent Programming	3.0	_____
				VIII	CS426 – Cybersecurity Capstone II	3.0	_____
				VIII	CS521 – TCP/IP Networking	3.0	_____

Student Signature: _____ Date: _____ Original Revision

Faculty Advisor Signature: _____ Date: _____ 2nd Degree

UG Records Auditor: _____ Date: _____



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Term	Course	Credits	Grade	Term	Course	Credits	Grade
<u>COMPUTER SCIENCE ELECTIVE</u>²				<u>HUMANITIES</u>³			
VII	_____	3.0	_____	I	<u>CAL 103 / CAL 105</u>	3.0	_____
				II	<u>CAL 105 / CAL 103</u>	3.0	_____
<u>CYBERSECURITY ELECTIVES</u>²				III	<u>HSS 371 or HPL 455</u>	3.0	_____
VII	_____	3.0	_____	V	<u>Humanities 100/200 level</u>	3.0	_____
VIII	_____	3.0	_____	VI	<u>Humanities 300 level</u>	3.0	_____
VIII	_____	3.0	_____	VII	<u>Humanities Elective (any level)</u>	3.0	_____
<u>FREE ELECTIVE</u>²				<u>ADDITIONAL COURSES</u>⁴			
VIII	_____	3.0	_____	_____	_____	_____	_____
				_____	_____	_____	_____
				_____	_____	_____	_____
				_____	_____	_____	_____
				_____	_____	_____	_____
				_____	_____	_____	_____

- NOTES:
- Students who have little or no background in programming should take CS110 in Term I, CS115 in Term II, CS284 in Term II, and CS385 in Term IV. If a student starts with CS 110, then CS 110 may be used as a Computer Science or a Free Elective but in all cases CS 110 must be taken prior to CS 115.
 - You must obtain your advisor's approval before enrolling in Computer Science/Cybersecurity or Free Electives.
 - The Humanities courses must have your advisor's approval prior to enrolling. For details on Humanities courses and requirements please refer to the Academic Policies of the Office of Undergraduate Academics.
 - Mark "GD" courses beyond the B.S. requirements to defer to graduate program. Mark "XT" courses beyond the B.S. requirements to meet minor requirements, to meet second degree requirements, or extra courses.
 - Enter your Computer Science AP credit or a CS elective if you completed CS181/CS182.

Student Signature: _____ Date: _____ Original Revision

Faculty Advisor Signature: _____ Date: _____ 2nd Degree

UG Records Auditor: _____ Date: _____