



Bachelor of Science - CyberSecurity - Students Entering Fall 2016

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: Cyber Security 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., 16F, 17S, 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 Org. & Programming	3.0	_____
I	MA121 – Differential Calculus	2.0	_____	III	CS385 – Algorithms _____ ⁵	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 – Prin. of Programming Languages	3.0	_____
IV	MA222 - Probability and Statistics	3.0	_____	V	CS442 - Database Management Systems	3.0	_____
I	PE200 - Physical Education I	0.0	_____	V	CS443 - Database Practicum	3.0	_____
II	PE200 - Physical Education II	0.0	_____	V	CS/MA503 - Discrete Math for Cryptography	3.0	_____
III	PE200 - Physical Education III	0.0	_____	V	CS576 - Systems Security	4.0	_____
IV	PE200 - Physical Education IV	0.0	_____	V	CS577 – Reverse Eng. and Application Analysis	4.0	_____
I	CS115 or CS181 - Introduction to Computer Science ¹	4.0	_____	VI	CS488 - Computer Architecture	3.0	_____
I	CS146 – Intro to Web Prog. & Project Dev.	3.0	_____	VI	CS492 - Operating Systems	3.0	_____
II	CS135 - Discrete Structures	4.0	_____	VI	CS578 - Privacy in a Networked World	3.0	_____
II	CS284 or CS182 - Data Structures	4.0	_____	VI	CS579 - Foundations of Cryptography	3.0	_____
				VII	CS425 – Cybersecurity Capstone I	3.0	_____
				VII	CS485 – Societal Impact of IT	1.0	_____
				VII	CS595 – Information Security & the Law	3.0	_____
				VII	CS511 - Concurrent Programming	3.0	_____

Student Signature: _____ Date: _____ Original Revision

Faculty Advisor Signature: _____ Date: _____ 2nd Degree

UG Records Auditor: _____ Date: _____



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Major Concentration Field: Cyber Security Minor Field(s) (If Any): _____

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<u>REQUIRED COURSES</u>				<u>HUMANITIES</u> ³			
VIII	CS426 – Cybersecurity Capstone II	3.0	_____	I	CAL 103 / CAL 105	3.0	_____
VIII	CS521 – TCP/IP Networking	3.0	_____	II	CAL 105 / CAL 103	3.0	_____
<u>COMPUTER SCIENCE ELECTIVE</u> ²				III	HSS 371 or HPL 455	3.0	_____
VII	_____	3.0	_____	IV	Humanities 100/200 level (not HAR or HMU)	3.0	_____
<u>CYBERSECURITY ELECTIVES</u> ²				V	Humanities 300 level (not HAR or HMU)	3.0	_____
VII	_____	3.0	_____	VIII	Humanities (not HAR or HMU)	3.0	_____
VIII	_____	3.0	_____	<u>ADDITIONAL COURSES</u> ⁴			
<u>FREE ELECTIVE</u> ²				_____	_____	_____	_____
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.
 - 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: _____