

Bachelor of Science - CyberSecurity - Students Entering Fall 2012

☐ Study Plan / ☐ Application for Candidacy (check one)

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- ____ 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., 02F, 03S, 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	CS334 - Theory of Computation	3.0	_____
II	Science II	3.0	_____	III	CS383 - Computer Org. & Assembly	3.0	_____
II	Science Lab	1.0	_____	III	CS385 – Algorithms ⁵	4.0	_____
				IV	CS347 – Software Development Process	3.0	_____
I	MA121 – Differential Calculus	2.0	_____	IV	CS392 - Systems Programming	3.0	_____
I	MA122 – Integral Calculus	2.0	_____	IV	CS496 - Programming Languages	3.0	_____
II	MA123 – Series, Vectors, Functions, and Surfaces	2.0	_____	V	CS442 - Database Management Systems	4.0	_____
II	MA124 - Calculus for Functions of Two Variables	2.0	_____	V	CS443 - Database Practicum	4.0	_____
IV	MA222 - Probability and Statistics	3.0	_____	V	CS/MA503 - Discrete Math for Cryptography	3.0	_____
				V	CS506 – Introduction to IT Security	3.0	_____
I	PE200 - Physical Education I	0.0	_____	VI	CS488 - Computer Architecture	3.0	_____
II	PE200 - Physical Education II	0.0	_____	VI	CS492 - Operating Systems	3.0	_____
III	PE200 - Physical Education III	0.0	_____	VI	CS578 - Privacy in a Networked World	3.0	_____
IV	PE200 - Physical Education IV	0.0	_____	VI	CS579 - Foundations of Cryptography	3.0	_____
				VII	CS423 – Senior Design I ²	3.0	_____
				VII	CS511 - Concurrent Programming	3.0	_____
I	CS115 or CS181 - Introduction to Computer Science ¹	4.0	_____	VII	CS576 - Secure Systems	3.0	_____
I	CS146 – Intro to Web Prog. & Proj. Dev.	3.0	_____	VII	CS577 - CyberSecurity Lab	3.0	_____
II	CS135 - Discrete Structures	4.0	_____	VIII	CS424 – Senior Design II ²	3.0	_____
II	CS284 or CS182 - Data Structures	4.0	_____				

Student Signature: _____ Date: _____

Faculty Advisor Signature: _____ Date: _____

UG Records Auditor: _____ Date: _____

☐ Original ☐ Revision

☐ 2nd Degree



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Term	Course	Credits	Grade	Term	Course	Credits	Grade
<u>COMPUTER SCIENCE ELECTIVES</u>							
VII	_____	3.0	_____	I	<u>CAL 103 / CAL 105</u>	3.0	_____
VIII	_____	3.0	_____	II	<u>CAL 105 / CAL 103</u>	3.0	_____
<u>CYBERSECURITY ELECTIVES</u>							
VIII	_____	3.0	_____	III	<u>Humanities 100/200 level (not HAR or HMU)</u>	3.0	_____
<u>FREE ELECTIVE</u>							
VIII	_____	3.0	_____	III	<u>Humanities (not HAR or HMU)</u>	3.0	_____
				IV	<u>Humanities 300 level (not HAR or HMU)</u>	3.0	_____
				V	<u>HSS 371 / HPL 455</u>	3.0	_____
				VI	<u>Humanities (not HAR or HMU)</u>	3.0	_____
				VIII	<u>Humanities (not HAR or HMU)</u>	3.0	_____
				<u>ADDITIONAL COURSES</u> ⁴			
				_____	_____	_____	_____
				_____	_____	_____	_____
				_____	_____	_____	_____
				_____	_____	_____	_____
				_____	_____	_____	_____
				_____	_____	_____	_____

NOTES:

1. Students who have little or no background in programming should take CS105 in Term I, CS115 in Term II, CS284 in Term II, and CS385 in Term IV. If a student starts with CS 105, then CS 105 may be used as a Computer Science or a Free Elective but in all cases CS 105 must be taken prior to CS 115.
2. Students must choose a security related project. The CyberSecurity advisors must approve the topic and a CyberSecurity faculty member must supervise the project.
3. The Humanities courses must have your advisor's approval prior to enrolling.
4. 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.
5. Enter your Computer Science AP credit or a free elective if you completed CS181/CS182.

Student Signature: _____ Date: _____

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Faculty Advisor Signature: _____ Date: _____

☐ 2nd Degree

UG Records Auditor: _____ Date: _____

