



Bachelor of Science - CyberSecurity - Students Entering Fall 2011

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	_____
I	MA115 - Calculus I	3.0	_____	IV	CS347 – Software Development Process	3.0	_____
II	MA116 - Calculus II	3.0	_____	IV	CS392 - Systems Programming	3.0	_____
IV	MA222 - Probability and Statistics	3.0	_____	IV	CS496 - Programming Languages	3.0	_____
I	PE200 - Physical Education I	0.0	_____	V	CS442 - Database Management Systems	4.0	_____
II	PE200 - Physical Education II	0.0	_____	V	CS443 - Database Practicum	4.0	_____
III	PE200 - Physical Education III	0.0	_____	V	CS/MA503 - Discrete Math for Cryptography	3.0	_____
IV	PE200 - Physical Education IV	0.0	_____	V	CS506 – Introduction to IT Security	3.0	_____
I	CS115 or CS181 - Introduction to Computer Science ¹	4.0	_____	VI	CS488 - Computer Architecture	3.0	_____
I	CS146 – Intro to Web Prog. & Proj. 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	CS423 – Senior Design I ²	3.0	_____
				VII	CS511 - Concurrent Programming	3.0	_____
				VII	CS576 - Secure Systems	3.0	_____
				VII	CS577 - CyberSecurity Lab	3.0	_____
				VIII	CS424 – Senior Design II ²	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 ELECTIVES</u>				<u>HUMANITIES</u> ³			
VII	_____	3.0	_____	I	CAL 103 / CAL 105	3.0	_____
VIII	_____	3.0	_____	II	CAL 103 / CAL 105	3.0	_____
<u>CYBERSECURITY ELECTIVES</u>				III	Humanities 100/200 level (not HAR or HMU)	3.0	_____
VIII	_____	3.0	_____	III	Humanities (not HAR or HMU)	3.0	_____
<u>FREE ELECTIVE</u>				IV	Humanities 300 level (not HAR or HMU)	3.0	_____
VIII	_____	3.0	_____	V	HSS 371 / HPL 455	3.0	_____
				VI	Humanities (not HAR or HMU)	3.0	_____
				VIII	Humanities (not HAR or HMU)	3.0	_____
				<u>ADDITIONAL COURSES</u> ⁴			
				_____	_____	_____	_____
				_____	_____	_____	_____
				_____	_____	_____	_____
				_____	_____	_____	_____
				_____	_____	_____	_____
				_____	_____	_____	_____

- NOTES:
- CS115 assumes that the student has prior experience with programming in C++, Java, or some other major imperative programming language. 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. CS 105 may be used as a Computer Science or a Free Elective.
 - Students must choose a security related project. The CyberSecurity advisors must approve the topic and a CyberSecurity faculty member must supervise the project.
 - The Humanities courses must have your advisor's approval prior to enrolling.
 - Courses beyond the B.S. requirements to defer to graduate program (mark GD). Courses beyond the B. S. requirements to meet minor requirements, to meet second degree requirements, or extra courses (mark XT)
 - Enter your Computer Science AP credit or a free elective if you completed CS181/CS182.

Student Signature: _____ Date: _____
 Faculty Advisor Signature: _____ Date: _____
 UG Records Auditor: _____ Date: _____

Original Revision
 2nd Degree

