



Bachelor of Science - CyberSecurity - Students Entering 2006 Fall +

Study Plan / Application for Candidacy (check one) **or later**

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., 2002F, 2003S, 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	_____ BT131 - Technogenesis: Intro. to Innov. and Creat.	3.0	_____	I	_____ CS115 or CS181 - Introduction to Computer Science ¹	4.0/4.0	_____
I	_____ CH115 - General Chemistry I	3.0	_____	II	_____ CS284 or CS182 - Data Structures & Algorithms I	3.0/4.0	_____
I	_____ CH117 - General Chemistry. Lab I	1.0	_____	III	_____ CS335 - Computer Structures	3.0	_____
II	_____ CH281 - Biology and Biotechnology	3.0	_____	III	_____ CS383 - Computer Org. & Assembly	3.0	_____
II	_____ CH282 - Biology Lab	1.0	_____	III	_____ CS385 - Adv. Data Struct.& Object Oriented Design	3.0	_____
I	_____ MA115 - Mathematical Analysis I	3.0	_____	IV	_____ CS392 - Systems Programming	3.0	_____
II	_____ MA116 - Mathematical Analysis II	3.0	_____	IV	_____ CS434 - Theory of Computation	3.0	_____
II	_____ MA134 - Discrete Mathematics	3.0	_____	IV	_____ CS488 - Computer Architecture	3.0	_____
IV	_____ MA222 - Probability and Statistics	3.0	_____	V	_____ CS492 - Operating Systems	3.0	_____
I	_____ PE200 - Physical Education I	1.0	_____	V	_____ CS496 - Programming Languages	3.0	_____
II	_____ PE200 - Physical Education II	1.0	_____	V	_____ CS/MA503 - Discrete Math for Cryptography	3.0	_____
III	_____ PE200 - Physical Education III	1.0	_____	V	_____ CS578 - Privacy in a Networked World	3.0	_____
IV	_____ PE200 - Physical Education IV	1.0	_____	VI	_____ CS442 - Database Management Systems	3.0	_____
V	_____ PE200 - Physical Education V	1.0	_____	VI	_____ CS573 - Fundamentals of CyberSecurity	3.0	_____
VI	_____ PE200 - Physical Education VI	1.0	_____	IV	_____ CS579 - Foundations of Cryptography	3.0	_____
				VII	_____ CS551 - Software Engineering & Practice I ²	3.0	_____
				VII	_____ CS576 - Secure Systems	3.0	_____
				VII	_____ CS577 - CyberSecurity Lab	3.0	_____
				VIII	_____ CS552 - Software Engineering & Practice 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>HUMANITIES</u> ³		
	<u>COMPUTER SCIENCE ELECTIVES</u>			II	_____	3.0	_____
IV	_____	3.0	_____	III	_____	3.0	_____
VII	_____	3.0	_____	III	_____	3.0	_____
VIII	_____	3.0	_____	V	_____	3.0	_____
	<u>CYBERSECURITY ELECTIVES</u>			VI	_____	3.0	_____
VIII	_____	3.0	_____	VI	_____	3.0	_____
	<u>FREE ELECTIVE</u>			VII	_____	3.0	_____
VIII	_____	3.0	_____	VIII	_____	3.0	_____
					<u>ADDITIONAL COURSES</u> ⁴		
				_____	_____	_____	_____
				_____	_____	_____	_____
				_____	_____	_____	_____
				_____	_____	_____	_____
				_____	_____	_____	_____
				_____	_____	_____	_____
				_____	_____	_____	_____
				_____	_____	_____	_____

- NOTES:
1. CS115 assumes that the student has prior experience with programming in C++, Java, or some other imperative programming language. Students that 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 (deferring the Term IV elective).
 2. Students must choose a security related project. The CyberSecurity advisors are a resource for project selection and execution.
 3. The Humanities courses must 2 Group A, 2 Group B and 4 300/400 level courses that must include HSS371.
 4. Courses beyond the B.S. requirements whether to meet minor requirements, to meet second degree requirements, to defer to graduate program (mark GD) or extra courses (e.g. from change in field of study; mark XT).

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Major Concentration Field: Cyber Security / Physics Option 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., 2002F, 2003S, 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.

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I	_____ PEP111 - Mechanics	3.0	_____	II	_____ CS284 or CS182 - Data Structures & Algorithms I	3.0/4.0	_____
II	_____ PEP112 - Electricity & Magnetism	3.0	_____	III	_____ CS335 - Computer Structures	3.0	_____
II	_____ PEP221 - Physics Lab I for Scientists	1.0	_____	III	_____ CS383 - Computer Org. & Assembly	3.0	_____
II	_____ PEP222 - Physics Lab II for Scientists	1.0	_____	III	_____ CS385 - Adv. Data Struct.& Object Oriented Design	3.0	_____
I	_____ MA115 - Mathematical Analysis I	3.0	_____	IV	_____ CS392 - Systems Programming	3.0	_____
II	_____ MA116 - Mathematical Analysis II	3.0	_____	IV	_____ CS434 - Theory of Computation	3.0	_____
II	_____ MA134 - Discrete Mathematics	3.0	_____	IV	_____ CS488 - Computer Architecture	3.0	_____
IV	_____ MA222 - Probability and Statistics	3.0	_____	V	_____ CS492 - Operating Systems	3.0	_____
I	_____ PE200 - Physical Education I	1.0	_____	V	_____ CS496 - Programming Languages	3.0	_____
II	_____ PE200 - Physical Education II	1.0	_____	V	_____ CS/MA503 - Discrete Math for Cryptography	3.0	_____
III	_____ PE200 - Physical Education III	1.0	_____	V	_____ CS578 - Privacy in a Networked World	3.0	_____
IV	_____ PE200 - Physical Education IV	1.0	_____	VI	_____ CS442 - Database Management Systems	3.0	_____
V	_____ PE200 - Physical Education V	1.0	_____	VI	_____ CS573 - Fundamentals of CyberSecurity	3.0	_____
VI	_____ PE200 - Physical Education VI	1.0	_____	IV	_____ CS579 - Foundations of Cryptography	3.0	_____
				VII	_____ CS551 - Software Engineering & Practice I ²	3.0	_____
				VII	_____ CS576 - Secure Systems	3.0	_____
				VII	_____ CS577 - CyberSecurity Lab	3.0	_____
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<u>REQUIRED COURSES</u>				<u>REQUIRED COURSES</u>			
I	_____ BT131 - Technogenesis: Intro. to Innov. and Creat.	3.0	_____	I	_____ CS105 - Introduction to Scientific Computing	3.0	_____
I	_____ CH115 - General Chemistry I	3.0	_____	II	_____ CS115 - Introduction to Computer Science	4.0	_____
I	_____ CH117 - General Chemistry. Lab I	1.0	_____	III	_____ CS284 or CS182 - Data Structures & Algorithms I	3.0	_____
II	_____ CH281 - Biology and Biotechnology	3.0	_____	III	_____ CS335 - Computer Structures	3.0	_____
II	_____ CH282 - Biology Lab	1.0	_____	III	_____ CS383 - Computer Org. & Assembly	3.0	_____
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