



# Bachelor of Science - Cybersecurity - Students Entering Fall 2020

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 Co-op (Y/N)? \_\_\_\_\_ 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., 20F, 21S, 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
<b><u>REQUIRED COURSES</u></b>				<b><u>REQUIRED COURSES</u></b>			
I	Science I _____	3.0	_____	III	CS306 – Introduction to IT Security	4.0	_____
II	Science II _____	3.0	_____	III	CS334 – Theory of Computation	3.0	_____
II	Science Lab _____	1.0	_____	III	CS382 – Computer Architecture and Organization	4.0	_____
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	<input type="checkbox"/> MA 232 Lin. Alg. or <input type="checkbox"/> MA 236 Math. Reason.	3.0	_____	V	CS503 – Discrete Math for Cryptography	3.0	_____
I	PE200 – Physical Education I <sup>1</sup> _____	0.0	_____	V	CS576 – Systems Security	4.0	_____
II	PE200 – Physical Education II <sup>1</sup> _____	0.0	_____	V	CS578 – Privacy in a Networked World	3.0	_____
III	PE200 – Physical Education III <sup>1</sup> _____	0.0	_____	VI	CS488 – Computer Architecture	3.0	_____
IV	PE200 – Physical Education IV <sup>1</sup> _____	0.0	_____	VI	CS492 – Operating Systems	3.0	_____
I	CS115 – Introduction to Computer Science	4.0	_____	VI	CS579 – Foundations of Cryptography	3.0	_____
I	CS146 – Intro to Web Prog. & Project Dev.	3.0	_____	VI	CS595 – Information Security & the Law	3.0	_____
II	CS135 – Discrete Structures	4.0	_____	VII	CS425 – Cybersecurity Capstone I	3.0	_____
II	CS284 – Data Structures	4.0	_____	VII	CS485 – Societal Impact of Information Technologies	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: \_\_\_\_\_

2<sup>nd</sup> Degree

UG Records Auditor: \_\_\_\_\_ Date: \_\_\_\_\_



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Major Concentration Field: CYBERSECURITY Co-op (Y/N)? \_\_\_\_\_ Minor Field(s), if any: \_\_\_\_\_

Term	Course	Credits	Grade	Term	Course	Credits	Grade
	<b><u>COMPUTER SCIENCE ELECTIVE</u></b> <sup>2,3</sup>				<b><u>HUMANITIES</u></b> <sup>5</sup>		
VII	_____	3.0	_____	I	<u>CAL 103</u>	3.0	_____
				II	<u>CAL 105</u>	3.0	_____
	<b><u>CYBERSECURITY ELECTIVES</u></b> <sup>2,4</sup>			III	<input type="checkbox"/> HSS 371 or <input type="checkbox"/> HPL 455	3.0	_____
VII	_____	3.0	_____	V	<u>Humanities 100/200 level</u>	3.0	_____
VIII	_____	3.0	_____	VI	<u>Humanities 300/400 level</u>	3.0	_____
VIII	_____	3.0	_____	VII	<u>Humanities Elective (any level)</u>	3.0	_____
	<b><u>GENERAL ELECTIVE</u></b> <sup>2</sup>				<b><u>ADDITIONAL COURSES</u></b> <sup>6</sup>		
VIII	_____	3.0	_____	_____	_____	_____	_____
				_____	_____	_____	_____
				_____	_____	_____	_____
				_____	_____	_____	_____
				_____	_____	_____	_____
				_____	_____	_____	_____
				_____	_____	_____	_____

- NOTES:
1. P.E. Requirement - All students must complete a minimum of four semesters of physical education (P.E.) in non-repeating courses. No credit or grades are awarded for P.E. classes. Participation in varsity or club sports may be used to satisfy all four of the P.E. requirements.
  2. You must obtain your advisor's approval before enrolling in computer science/cybersecurity or general electives.
  3. Enter your credit for AP Computer Science, if applicable.
  4. For a list of pre-approved cybersecurity electives please refer to the academic catalog.
  5. 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.
  6. Mark "GD" courses beyond the B.S. requirements to defer to the graduate program. Mark "XT" courses beyond the B.S. requirements to meet minor or second-degree requirements, or serve as extra courses.

Student Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
 Faculty Advisor Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
 UG Records Auditor: \_\_\_\_\_ Date: \_\_\_\_\_

Original  Revision  
 2<sup>nd</sup> Degree