

Bachelor of Science - Computer Science - Students Entering 2009 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: COMPUTER SCIENCE 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
<u>REQUIRED COURSES</u>			
I ____	Science I _____	3.0	_____
II ____	Science II _____	3.0	_____
II ____	Science Lab _____	1.0	_____
I ____	MA115 – Calculus I	3.0	_____
II ____	MA116 – Calculus II	3.0	_____
IV ____	MA222 – Probability and Statistics	3.0	_____
V ____	MA331 – Statistical Methods	3.0	_____
III ____	MGT111 – Organizational Behavior & Social Psych.	3.0	_____
I ____	PE100 - Physical Education I	1.0	_____
II ____	PE200 - Physical Education II	1.0	_____
III ____	PE200 - Physical Education III	1.0	_____
IV ____	PE200 - Physical Education IV	1.0	_____

Term	Course	Credits	Grade
<u>REQUIRED COURSES</u>			
I ____	CS115 or CS181 - Introduction to Computer Science ¹	4.0/4.0	_____
I ____	CS146 – Web Fundamentals	3.0	_____
II ____	CS135 – Discrete Structures	4.0	_____
II ____	CS284 or CS182 - Data Structures	4.0/4.0	_____
III ____	CS334 – Automata & Computation	3.0	_____
III ____	CS383 – Computer Organization & Programming	3.0	_____
III ____	CS385 - Algorithms	4.0	_____
IV ____	CS347 – Software Development Process	3.0	_____
IV ____	CS392 - Systems Programming	3.0	_____
IV ____	CS496 – Principles of Programming Languages	3.0	_____
V ____	CS442 - Database Management Systems	3.0	_____
V ____	CS511 – Concurrent Programming	3.0	_____
VI ____	CS488 – Computer Architecture	3.0	_____
VI ____	CS492 – Operating Systems	3.0	_____
VII ____	CS506 – Introduction to IT Security	3.0	_____
VII ____	CS551 – Software Engineering and Practice I	3.0	_____
VIII ____	CS552 - Software Engineering & Practice II	3.0	_____

Student Signature: _____ Date: _____

Faculty Advisor Signature: _____ Date: _____

UG Records Auditor: _____ Date: _____

☐ Original ☐ Revision

☐ 2nd Degree



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Major Concentration Field: COMPUTER SCIENCE Minor Field(s) (If Any): _____

Term	Course	Credits	Grade	Term	Course	Credits	Grade
	<u>TECHNICAL ELECTIVES</u>				<u>HUMANITIES</u> ²		
VII _____	_____	3.0	_____	II _____	_____	3.0	_____
VIII _____	_____	3.0	_____	III _____	_____	3.0	_____
	<u>SOFTWARE DEVELOPMENT ELECTIVE</u>			IV _____	_____	3.0	_____
VI _____	_____	3.0	_____	V _____	_____	3.0	_____
	<u>SCIENCE/MATH ELECTIVES</u>			V _____	_____	3.0	_____
VI _____	_____	3.0	_____	VI _____	_____	3.0	_____
VII _____	_____	3.0	_____	VII _____	_____	3.0	_____
	<u>FREE ELECTIVES</u>			VIII _____	_____	3.0	_____
VIII _____	_____	3.0	_____		<u>ADDITIONAL COURSES</u> ³		
VIII _____	_____	3.0	_____	_____	_____	_____	_____
				_____	_____	_____	_____
				_____	_____	_____	_____
				_____	_____	_____	_____
				_____	_____	_____	_____
				_____	_____	_____	_____
				_____	_____	_____	_____
				_____	_____	_____	_____

NOTES:

1. 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.

2. The Humanities courses must be 2 Group A, 2 Group B from published list and 4 300/400 level courses one of which must be HSS371. None of the 300/400 level hums may have the prefix HAR or HMU need advisor approval prior to enrolling.

3. 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).

Student Signature: _____ Date: _____

☐ Original ☐ Revision

Faculty Advisor Signature: _____ Date: _____

☐ 2nd Degree

UG Records Auditor: _____ Date: _____