

# Bachelor of Science - Computer Science - Students Entering Fall 2010

☐ 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: 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., 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 |
|--------------------------------|--------------------------------------------------|---------|-------|
| <b><u>REQUIRED COURSES</u></b> |                                                  |         |       |
| 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                              | PE200 - 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 |
|--------------------------------|----------------------------------------------------------------|---------|-------|
| <b><u>REQUIRED COURSES</u></b> |                                                                |         |       |
| I                              | CS115 or CS181 - Introduction to Computer Science <sup>1</sup> | 4.0/4.0 | _____ |
| I                              | CS146 – Intro to Web Programming & Proj. Dev.                  | 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 / _____ <sup>4</sup>                        | 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                            | 4.0     | _____ |
| 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                            | CS423 – Software Engineering Practice I                        | 3.0     | _____ |
| VIII                           | CS424 - Software Engineering Practice II                       | 3.0     | _____ |

Student Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Faculty Advisor Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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

☐ Original ☐ Revision

☐ 2<sup>nd</sup> Degree



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

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

4. Enter a free elective if you completed CS181/CS182

Student Signature: \_\_\_\_\_ Date: \_\_\_\_\_

☐ Original ☐ Revision

Faculty Advisor Signature: \_\_\_\_\_ Date: \_\_\_\_\_

☐ 2<sup>nd</sup> Degree

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