

Tufts University -- School of Engineering
Class of 2017
 Bachelor of Science in Computer Science (BSCS)
 Degree Checklist

Student: _____

Advisor: _____

ID #: _____

Introductory (10 Credits)*	Term	Grade
ES 93		
ES 2		
MATH 32		
MATH 36		
MATH 42		
MATH 61		
PHYS 11		
CHEM 1 or 16		
PHYS 12 or CHEM 2		
Nat Sci Elect (a)		

Humanity/Art/Social Sci HASS (6 Credits) (b)	Term	Grade
ENG 1* or 3		
H		
SS		
HASS Elect		
HASS Elect		
HASS Elect		

Breadth (4 Credits) (c)	Term	Grade
Ethics & Social Context: PHIL 24 or EM 54		
Breadth Elect		
Breadth Elect		
Breadth Elect		

Foundation* (5 Credits)	Term	Grade
COMP 11		
COMP 15		
ES 3		
ES 4		
Prob & Stats (d)		

Concentration* (11 Credits)	Term	Grade
<i>Required (4 Credits)</i>		
COMP 40		
COMP 105 or 80		
COMP 160		
COMP 170		
<i>Electives (5 Credits)</i>		
COMP Elect (e)		
COMP Elect (e)		
COMP Elect (e)		
COMP Elect (f, g)		
COMP Elect (f, h)		
<i>Senior Design Project (2 Credit)</i>		
COMP 97		
COMP 98		

Free Electives (2 Credits)	Term	Grade
Free Elect		
Free Elect		

* No Pass/Fail

Student Signature: _____

Date: _____

Advisor Signature: _____

Date: _____

ABET Program Director Signature: _____

Date: _____

BSCS – Notes

(a) Natural Science:

Use iSIS- Must be courses with attribute value: SoE-Nat Sci

(b) Humanity/Art/Social Science (HASS):

Use iSIS – Must be courses with attribute value: SoE-HASS

Courses selected must include a minimum of one credit in each area of Humanities (H) and Social Sciences (SS). In addition, at least two HASS course credits must be taken in the same department.

(c) Breadth Electives:

The three Breadth electives may be chosen from:

- Humanities, Social Sciences, and Arts courses as described above
- BME 50: Introduction to Biomedical Engineering
- CEE 1: Introduction to Civil Engineering & Environmental Engineering
- CEE 32: Environmental Engineering Principles
- ME 1: Introduction to Mechanical Engineering
- Any course in Engineering Psychology (ENP), Entrepreneurial Leadership (ELS), Engineering Management (EM)
- Maximum of one course credit from the Experimental College (EXP)
- Maximum of one course credit from Physical Education (PE)

(d) MATH 161 and 162, ES 56, EE 104, BME 141, BIO 132, PHY 153

(e) Computer Science numbered between 100 and 200

(f) Computer Science numbered between 15 and 200

(g) Comp 93, 94, 191, 193, 194, or 197

(h) Math 51, 63, 70, 72, 87, 135, 136, 145, 146, 151, 152, 158, 161, or 162

BSCS

Guidelines for Course Selection

Fall – 1st Year (4.0 Credits)

ES 93
MATH 32
PHY 11
ENG 1

Spring – 1st Year (4.0 Credits)

ES 2
MATH 36
PHY 12 or CHEM 1
HASS

Fall – 2nd Year (5.0 Credits)

COMP 11
MATH 42
PHY 12 or CHEM 1
ES 3
HASS

Spring – 2nd Year (5.0 Credits)

COMP 15
MATH 61
ES 4
Nat Science Elective
COMP Elective

Fall – 3rd Year (5.0 Credits)

COMP 40
COMP 160
Breadth
Free Elective
HASS

Spring – 3rd Year (5.0 Credits)

COMP 105
COMP 170
COMP Elective
Breadth
Free Elective

Fall – 4th Year (5.0 Credits)

COMP 97
COMP Elective
Probability & Statistics
HASS
Breadth

Spring – 4th Year (5.0 Credits)

COMP 98
COMP Elective
COMP Elective
HASS
Breadth