

Tufts University -- School of Engineering
Class of 2020
 Bachelor of Science in Computer Science (BSCS)
 Degree Checklist

Student: _____

Advisor _____

ID #: _____

Introductory (10 Credits)*	Term	Grade
EN 1		
ES 2		
MATH 32		
MATH 34 or 36		
MATH 42		
MATH 61		
PHYS 11		
CHEM 1		
PHYS 12 or CHEM 2		
Nat Sci Elect (a)		

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

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

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 (e, f, g)		
COMP Elect (e, f, h)		
Senior Design Project (2 Credit)		
COMP 97		
COMP 98		

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

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 SIS - Must be courses with attribute: SoE-Natural Sciences

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

Use SIS - Must be courses with attribute: 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 computer science internship
- Maximum of one course credit from the Experimental College (EXP)
- Maximum of one course credit from Physical Education (PE)

(d) MATH 162, ES 56, EE24, EE 104, BME 141, BIO 132, PHY 153

(e) Computer Science numbered between 100 and 189

(f) Computer Science numbered between 16 and 89

(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)

EN 1
MATH 32
PHY 11
ENG 1

Spring – 1st Year (4.0 Credits)

ES 2
MATH 34 or 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
HASS

Fall – 3rd Year (5.0 Credits)

COMP 40
COMP Elective
Breadth
Free Elective
HASS

Spring – 3rd Year (5.0 Credits)

COMP 160
COMP Elective
Breadth
Free Elective
HASS

Fall – 4th Year (5.0 Credits)

COMP 97
COMP 105
COMP Elective
Probability & Statistics
Breadth

Spring – 4th Year (5.0 Credits)

COMP 98
COMP 170
COMP Elective
COMP Elective
Breadth