

Tufts University -- School of Engineering  
**Class of 2019**  
 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		
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)		
Senior Design Project (2 Credit)		
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 SIS- Must be courses with attribute value: SoE-Nat Sci

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

Use SIS – 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 199

(f) Computer Science numbered between 16 and 199

(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 – 1<sup>st</sup> Year (4.0 Credits)

ES 93  
MATH 32  
PHY 11  
ENG 1

### Spring – 1<sup>st</sup> Year (4.0 Credits)

ES 2  
MATH 36  
PHY 12 or CHEM 1  
HASS

### Fall – 2<sup>nd</sup> Year (5.0 Credits)

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

### Spring – 2<sup>nd</sup> Year (5.0 Credits)

COMP 15  
MATH 61  
ES 4  
Nat Science Elective  
COMP Elective

### Fall – 3<sup>rd</sup> Year (5.0 Credits)

COMP 40  
COMP 160  
Breadth  
Free Elective  
HASS

### Spring – 3<sup>rd</sup> Year (5.0 Credits)

COMP 105  
COMP 170  
COMP Elective  
Breadth  
Free Elective

### Fall – 4<sup>th</sup> Year (5.0 Credits)

COMP 97  
COMP Elective  
Probability & Statistics  
HASS  
Breadth

### Spring – 4<sup>th</sup> Year (5.0 Credits)

COMP 98  
COMP Elective  
COMP Elective  
HASS  
Breadth