

**Tufts University – School of Engineering**  
**Class of 2022**  
**Bachelor of Science in Computer Science (BSCS)**  
**Degree Sheet**

Student: \_\_\_\_\_

Advisor: \_\_\_\_\_

ID #: \_\_\_\_\_

Introductory*	Term	Grade
EN 1		
ES 2		
MATH 32		
MATH 34 or 39		
MATH 42 or 44		
MATH/COMP 61		
PHYS 11		
CHEM 1		
Nat Sci Elect (a)		
Nat Sci Elect (a)		

Humanity/Art/Social Science (b)	Term	Grade
ENG 1* or 3		
H		
SS		
HASS Elect		
HASS Elect		
HASS Elect (if needed)		
HASS Elect (if needed)		
HASS Elect (if needed)		

Breadth (c) ≥ 12 SHUs	Term	Grade
Ethics & Social Context: PHIL 24 or EM 54		
Breadth Elect		
Breadth Elect		
Breadth Elect		

**\*No Pass/Fail**

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

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

Free Elective ≥ 3 SHUs	Term	Grade
Free Elect		
Free Elect (if needed)		

Total Humanities, Arts & Social Sciences ≥ 18	
Total Math/Natural Science ≥ 30	
Overall Total ≥ 120	

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

Date: \_\_\_\_\_

Advisor Signature: \_\_\_\_\_

Date: \_\_\_\_\_

ABET Program Director Signature: \_\_\_\_\_

Date: \_\_\_\_\_

## **BSCS - Notes**

(a) **Natural Sciences:**

Use SIS – Must be courses with attribute value: 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 course in each area of Humanities (H) and Social Sciences (SS). In addition, at least two HASS courses 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 two computer science internships
- Maximum of one course from the Experimental College (EXP)
- Maximum of one course from Physical Education (PE)

(d) MATH 162, ES 56, EE 24, EE 104, BME 141, BIO 132, PHY 153.

(e) Computer Science numbered between 100 and 189, excluding Comp 53, 55, 153, 154 and 155.

(f) Comp 55, 116, 120 or 155.

(g) Computer Science numbered between 16 and 89, excluding Comp 53 and 55.

(h) COMP 93, 94, 191, 193, 194 or 197.

(i) 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

EN 1  
MATH 32  
PHY 11  
ENG 1

### Spring – 1<sup>st</sup> Year

ES 2  
MATH 34 or 39  
CHEM 1  
HASS

### Fall – 2<sup>nd</sup> Year

COMP 11  
MATH 42 or 44  
Natural Science Elective  
ES 3  
HASS

### Spring – 2<sup>nd</sup> Year

COMP 15  
MATH 61  
ES 4  
Natural Science Elective  
HASS

### Fall – 3<sup>rd</sup> Year

COMP 40  
COMP Elective  
Breadth  
Free Elective  
HASS

### Spring – 3<sup>rd</sup> Year

COMP 160  
COMP Elective  
Breadth  
Free Elective  
HASS

### Fall – 4<sup>th</sup> Year

COMP 97  
COMP 105  
COMP Elective  
Probability & Statistics  
Breadth

### Spring – 4<sup>th</sup> Year

COMP 98  
COMP 170  
COMP Elective  
COMP Elective  
Breadth