

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

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

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

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

<b>Introductory Mathematics &amp; Natural Sciences*</b>	<b>Term</b>	<b>Grade</b>
MATH 32		
MATH 34		
MATH 42		
MATH 51		
PHY 11		
CHEM 1		
EOS 1, EOS 2, EOS 5, ES 11 or BIO 13		
MNS Elective (a)		

<b>Introductory First-Year Engineering*</b>	<b>Term</b>	<b>Grade</b>
EN 1		
ES 2		

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

**\*No Pass/Fail**

Total Humanities and Social Sciences $\geq$ 18	
Total Engineering $\geq$ 45	
Total Math/Natural Science $\geq$ 30	
Overall Total $\geq$ 120	

<b>Foundation*</b>	<b>Term</b>	<b>Grade</b>
ES 5		
ES 8		
ES 9		
ES 18		
ES 55		
ES 56		
$\geq$ 12 SHU Technical Elective (d), list below		

<b>Concentration*</b>	<b>Term</b>	<b>Grade</b>
CEE 12		
CEE 22		
CEE 32		
CEE 42		
CEE 52		
CEE 80		
CEE 81		
CEE 187 or CEE 188		
Analysis Elect (b)		
Design Elect (c)		
Design Elect (c)		

<b>Free Electives <math>\geq</math> 4 SHUs, list courses below:</b>	<b>Term</b>	<b>Grade</b>

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

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

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

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

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

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

## **BSCE - Notes**

- (a) Mathematics or Natural Science Elective: Use SIS to select a course numbered below 200 with attribute value of SOE-Mathematics or SOE-Natural Sciences.
  
- (b) Analysis Elective:
  - Select from CEE 127, CEE 151, or CEE 152
  
- (c) Design Electives:
  - Environment and Health: CEE 133, CEE 136, CEE 143, CEE 159
  - Infrastructure: CEE 24, CEE 25, CEE 129, CE 146, CEE 149
  - Water Resources: CEE 111, CEE 112
  
- (d) Completion of the degree requires a minimum of twelve semester hour units of Technical Electives. Select Technical Electives from:
  - a. Courses in SIS that are numbered below 200 with attribute value SOE-Engineering, SOE-Mathematics, or SOE-Natural Science
  - b. Additionally approved courses:
    - Architecture: FAH 8, FAH 96, FAH 97
    - Economics: EC 5, EC 8, EC 30
    - Engineering Management: EM 51, EM 52, EM 54, EM 153, EM 155
    - Urban & Environmental Planning: UEP 94, UEP 101, UEP 105, UEP 130, UEP 173, UEP 178
  
- (e) Humanities, Arts, and Social Sciences (HASS):
  - Use SIS – Must be courses with attribute value: SOE-HASS. Completion of the degree requires a minimum of eighteen semester hour units of HASS courses. Courses selected must include one course in Humanities (H), one course in Social Sciences (SS), and at least two courses from the same department.

# BSCE

## Guidelines for Course Selection

### **Fall – 1<sup>st</sup> Year**

MATH 32  
PHY 11  
EN 1  
ENG 1

### **Spring – 1<sup>st</sup> Year**

MATH 34  
CHEM 1  
ES 2  
HASS  
Free Elective

### **Fall – 2<sup>nd</sup> Year**

MATH 42  
ES 5  
ES 18  
CEE 32  
MNS Elective (or EOS 1, EOS 5, ES 11, or BIO 13)

### **Spring – 2<sup>nd</sup> Year**

MATH 51  
ES 9  
ES 56  
CEE 52  
EOS 2 (or MNS Elective)

### **Fall – 3<sup>rd</sup> Year**

ES 8  
ES 55  
CEE 22  
Technical Elective  
HASS

### **Spring – 3<sup>rd</sup> Year**

CEE 12  
CEE 42  
CEE 80  
CEE 187 or CEE 188  
HASS

### **Fall – 4<sup>th</sup> Year**

Analysis Elective  
Design Elective  
Technical Elective  
Technical Elective  
HASS

### **Spring – 4<sup>th</sup> Year**

CEE 81  
Design Elective  
Technical Elective  
HASS  
Free Elective