

**Tufts University -- School of Engineering**  
**Class of 2017**  
**Bachelor of Science in Civil Engineering (BSCE)**  
**Degree Checklist**

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

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

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

<b>Introductory Mathematics &amp; Natural Science* (8 Credits)</b>	<b>Term</b>	<b>Grade</b>	<b>M/NS</b>
MATH 32			1
MATH 36			1
MATH 42			1
MATH 51			1
PHYS 11			1
CHEM 1 or 16			1
PHYS 12 or CHEM 2			1
Nat Sci Elect (a)			1

<b>Introductory First-Year Engineering* (2 Credits)</b>	<b>Term</b>	<b>Grade</b>	<b>E</b>
ES 93			1
ES 2			1

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

\* No Pass/Fail

<b>Foundation* (8 Credits)</b>	<b>Term</b>	<b>Grade</b>	<b>M/NS</b>	<b>E</b>
ES 5				1
ES 8				1
ES 9				1
ES 55			1	
ES 56			1	
EM 51				1
ES 18				1
Found Elect (a,b,c)				

<b>Concentration* (12 Credits)</b>	<b>Term</b>	<b>Grade</b>	<b>M/NS</b>	<b>E</b>
<i>Required (5 Credits)</i>				
CEE 1				1
CEE 12				1
CEE 22				1
CEE 32				1
CEE 42				1
<i>Concentration Electives (3 Credits)</i>				
Conc Elect (a,b,d,e)				
Conc Elect (a,b,d,e)				
Conc Elect (d,e)				1
<i>Design (4 Credits)</i>				
Design Elect (e)				1
Design Elect (e)				1
Design Elect (e)				1
CEE 81 Senior Capstone Design				1

<b>Free Electives (2 Credits)</b>	<b>Term</b>	<b>Grade</b>	<b>M/NS</b>	<b>E</b>
Free Elect				
Free Elect				

<b>Total Engineering ( E ) Course Credits <math>\geq</math> 14.5</b>	
<b>Total Math/Natural Science (M/NS) Course Credits <math>\geq</math> 9.5</b>	

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

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

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

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

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

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

## BSCE – Notes

(a) Natural Science:

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

(b) Mathematics:

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

(c) EM 52, ES 3, ES 4, ES 7, ES 25, ES 27, ES 53, CEE 187

(d) Use iSIS - Must be courses with attribute value: SoE-Engineering

(e) Design Electives: Select at least 3 courses from 2 different sub-disciplines below.

1. Environmental Engineering:

- CEE 133
- CEE 136
- CEE 143

2. Geotechnical Engineering:

- CEE 146
- CEE 149

3. Structural Engineering:

- CEE 24
- CEE 25
- CEE 129

4. Water Resources Engineering:

- CEE 112
- CEE 131

(f) 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.

# BSCE

## Guidelines for Course Selection

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

ES 93  
Math 32  
Phy 11 or Chem 1  
English 1

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

ES 2  
Math 36  
Phy 12 or Chem 1  
Nat. Science Elective

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

ES 5  
Math 42  
Phy 12 or Chem 2  
ES 18  
HASS

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

ES 9  
CEE 1  
Math 51  
EM 51  
HASS

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

ES 8  
CEE 22  
CEE 42  
ES 55  
HASS

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

CEE 12  
CEE 32  
ES 56  
Foundation Elective  
Design Elective

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

Design Elective  
Concentration Elective  
Concentration Elective  
HASS  
Free Elective

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

CEE 81  
Design Elective  
Concentration Elective  
HASS  
Free Elective