

Tufts University -- School of Engineering
Class of 2019
Bachelor of Science in Civil Engineering (BSCE)
Degree Checklist

Student: _____

Advisor: _____

ID #: _____

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

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

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

* No Pass/Fail

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

Concentration* (12 Credits)	Term	Grade	M/NS	E
<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

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

Total Engineering (E) Course Credits ≥ 14.5	
Total Math/Natural Science (M/NS) Course Credits ≥ 9.5	

Student Signature: _____

Date: _____

Advisor Signature: _____

Date: _____

ABET Program Director Signature: _____

Date: _____

BSCE – Notes

(a) Natural Science:

Use SIS – Must be courses with attribute value: SoE-Nat Sci
And must include at least one course credit in EOS or BIO

(b) Mathematics:

Use SIS – 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 SIS - 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 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.

BSCE

Guidelines for Course Selection

Fall – 1st Year (4.0 Credits)

ES 93
Math 32
Phy 11
English 1

Spring – 1st Year (4.0 Credits)

ES 2
Math 36
Chem 1
Nat. Science Elective

Fall – 2nd Year (5.0 Credits)

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

Spring – 2nd Year (5.0 Credits)

ES 9
CEE 1
Math 51
Foundation Elective
HASS

Fall – 3rd Year (5.0 Credits)

ES 8
ES 55
CEE 22
CEE 42
HASS

Spring – 3rd Year (5.0 Credits)

ES 56
CEE 12
CEE 32
Design Elective
HASS

Fall – 4th Year (5.0 Credits)

EM 51
Design Elective
Concentration Elective
Concentration Elective
Free Elective

Spring – 4th Year (5.0 Credits)

CEE 81
Design Elective
Concentration Elective
Free Elective
HASS