

Tufts University -- School of Engineering
Class of 2019
Bachelor of Science in Chemical Engineering (BSCHE)
Degree Checklist

Student: _____

Advisor: _____

ID #: _____

Introductory Mathematics & Natural Science* (8 Credits)	Term	Grade	M/NS
MATH 32			
MATH 36			
MATH 42			
MATH 51			
CHEM 1			
CHEM 2			
PHYS 11			
BIO 13 or ES 11			

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

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

* No Pass/Fail

Foundation* (9 Credits)	Term	Grade	M/NS	E
ES 3				
ES 10				
CHEM 31				
CHEM 33 (0.5)				
CHEM 51				
CHEM 53 (0.5)				
CHBE 10				
Found Elect (c)				
Found Elect (a,b)				
Found Elect (a,b,c,d)				

Concentration* (12 Credits)	Term	Grade	M/NS	E
<i>Required (10 Credits)</i>				
CHBE 11				
CHBE 21				
CHBE 22				
CHBE 39				
CHBE 45				
CHBE 51				
CHBE 52				
CHBE 60				
CHBE 102				
CHBE 109				
Concentration Electives (2 Credits)				
Conc Elect				
Conc Elect				

Free Electives (1 Credit)	Term	Grade	M/NS	E
Free Elect				

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

Student Signature: _____

Date: _____

Advisor Signature: _____

Date: _____

ABET Program Director Signature: _____

Date: _____

BSCHE – Notes

(a) Chemistry 32, 42, 52, 61, 132, 133, 135, 136, 141, 150, 151, 152, 155, 161, 162, 163, 171

(b) CHBE 121, 122, 140

(c) Biology 14, 41, 46, 104, 105, 106, 134, 152,
62 (CHBE 62), 162 (CHBE 162), 163 (CHBE 163), 168 (CHBE 168),
BME 153 (CHBE 164)

(d) Physics Use SIS - Must be PHY courses with attribute value: SoE – Nat Sci

(e) 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.

BSCHE

Guidelines for Course Selection

Fall – 1st Year (4.0 Credits)

ES 93
MATH 32
CHEM 1
ENG 1

Spring – 1st Year (4.0 Credits)

ES 2
MATH 36
CHEM 2
PHY 11

Fall – 2nd Year (5.5 Credits)

MATH 42
CHBE 10
BIO 13 or ES 11
CHEM 31
CHEM 33 (0.5)
HASS

Spring – 2nd Year (5.5 Credits)

MATH 51
CHBE 11 (1.5)
ES 10
CHBE 39
HASS

Fall – 3rd Year (4.5 Credits)

CHEM 51
CHEM 53 (0.5)
CHBE 21
ES 3
Foundation Elective

Spring – 3rd Year (4.0 Credits)

Foundation Elective
CHBE 22
CHBE 102
HASS

Fall – 4th Year (5.5 Credits)

CHBE 45
CHBE 51 (0.5)
Foundation Elective
Conc. Elective
Conc. Elective
HASS

Spring – 4th Year (5.0 Credits)

CHBE 52
CHBE 60
CHBE 109
HASS
Free Elective