

Tufts University – School of Engineering
Class of 2021
Bachelor of Science in Chemical Engineering (BSCHE)
Degree Sheet

Student: _____

Advisor: _____

ID #: _____

Introductory Mathematics & Natural Sciences*	Term	Grade	M/NS
MATH 32			
MATH 34 or 36			
MATH 42			
MATH 51			
CHEM 1			
CHEM 2			
PHY 11			
BIO 13 or ES 11			

Introductory First-Year Engineering*	Term	Grade	E
EN 1			
ES 2			

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

***No Pass/Fail**

Total Humanities and Social Sciences (HASS):	
Total Engineering (E):	
Total Math/Natural Science (M/NS):	
Overall Total Credits:	

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

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

Free Electives	Term	Grade	M/NS	E
Free Elect				
Free Elect				

Refer to the Bulletin for minimum credit requirements.

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, 157, 161, 162, 163, 171, 172

- (b) CHBE 121, 122, 140

- (c) Biology BIO 14, 41, 46, 104, 105, 106, 134, 152,
62 (CHBE 62), 162 (CHBE 162), 163 (CHBE 163), 168 (CHBE 168),
BME 153 (CHBE 164),
CHEM 171, 172

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

- (e) Mathematics 70, 72, 151, 161, 162

- (f) Humanity/Art/Social Science (HASS):
Use SIS – Must be courses with attribute: SoE-HASS

Courses selected must include a minimum of one in each area of Humanities (H) and Social Sciences (SS). In addition, at least two HASS courses must be taken in the same department.

BSCHE

Guidelines for Course Selection

Fall – 1st Year

EN 1
MATH 32
CHEM 1
ENG 1

Spring – 1st Year

ES 2
MATH 34 or MATH 36
CHEM 2
PHY 11

Fall – 2nd Year

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

Spring – 2nd Year

MATH 51
CHBE 11
ES 10
CHBE 21
HASS

Fall – 3rd Year

CHEM 51
CHEM 53
CHBE 22
CHBE 39
Free Elective

Spring – 3rd Year

Foundation Elective
Foundation Elective
CHBE 45
CHBE 102
HASS

Fall – 4th Year

CHBE 51
CHBE 109
Foundation Elective
Concentration Elective
HASS

Spring – 4th Year

CHBE 52
CHBE 60
Concentration Elective
HASS
Free Elective