

Tufts University – School of Engineering
Class of 2023
Bachelor of Science in Chemical Engineering (BSCHE)
Degree Sheet

Student: _____

Advisor: _____

ID #: _____

Introductory Mathematics & Natural Sciences*	Term	Grade
MATH 32		
MATH 34 or 36		
MATH 42		
MATH 51		
CHEM 1 or CHEM 11		
CHEM 2 or CHEM 12		
PHY 11		
BIO 13 or ES 11		

Introductory First-Year Engineering*	Term	Grade
EN 1		
ES 2 or COMP 11		

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

***No Pass/Fail**

Total Humanities, Arts & Social Sciences ≥ 18	
Total Engineering ≥ 45	
Total Math/Natural Science ≥ 30	
Overall Total ≥ 120	

Foundation*	Term	Grade
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
<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 (g)		
Conc Elect (g)		

Free Electives ≥ 3 SHUs	Term	Grade
Free Elect		
Free Elect (if needed)		

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 61, 70, 72, 155, 165, 166

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

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

- (g) Any CHBE course that is not already a required course.

BSCHE

Guidelines for Course Selection

Fall – 1st Year (14 SHUs)

EN 1
MATH 32
CHEM 1
ENG 1

Spring – 1st Year (16 SHUs)

ES 2 or COMP 11
MATH 34 or MATH 36
CHEM 2
PHY 11

Fall – 2nd Year (18-20 SHUs)*

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

Spring – 2nd Year (15 SHUs)*

MATH 51
CHBE 11
ES 10
CHBE 21
HASS

Fall – 3rd Year (15 SHUs)*

CHEM 51
CHEM 53
CHBE 22
CHBE 39
Free Elective

Spring – 3rd Year (15-19 SHUs)*

Foundation Elective
Foundation Elective
CHBE 45
CHBE 102
HASS

Fall – 4th Year (14-16 SHUs)*

CHBE 51
CHBE 109
Foundation Elective
Concentration Elective
HASS

Spring – 4th Year (15 SHUs)*

CHBE 52
CHBE 60
Concentration Elective
HASS
Free Elective

*NOTE: SHU estimates assume HASS and free electives are 3 SHUs.