

Tufts University – School of Engineering
Class of 2023
Bachelor of Science in Biomedical Engineering (BSBME)
Degree Sheet

Student: _____

Advisor: _____

ID #: _____

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

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

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

Free Elective ≥ 3 SHUs	Term	Grade
Free Elect		

***No Pass/Fail**

Foundation*	Term	Grade
Prob. & Stat. (a)		
ES 5		
ES 7		
BME 121 or BIO 115		
Found Elect (b)		
Found Elect (b)		
Found Elect (b)		
Found Elect (b)		

Concentration*	Term	Grade
BME 50		
BME 62		
BME 100		
BME 3&4 or BME 51 or BME 131 or BME 153		
BME 5&6 or BME 66		
Conc. Elect (c)		
Conc. Elect (c)		
Conc. Elect (c)		
Conc. Elect (c)		
Conc. Elect (d)		
BME 7		
BME 8		

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

Student Signature: _____

Date: _____

Advisor Signature: _____

Date: _____

ABET Program Director Signature: _____

Date: _____

BSBME - Notes

(a) BIO 132, BME 141, CSHD 140, CEE 156, EE 24, EE104, ES 56, MATH 166, PSY 31.

(b) A course from any of the thematic groups below:

Tissue Engineering and Regenerative Medicine: BIO 41, BIO 46, BIO 171, CHBE 102, CHEM 51, CHEM 52, ES 8.

Biomaterials: BIO 46, BIO 171, CHEM 31, CHEM 32, CHEM 51, CHEM 52, ES 9, ES 10.

Biomedical Devices and Imaging: EE 21, EE 125, EE 133, ES 3, ES 4, ES 8, ES 55, PHY 31.

(c) Any BME course or a course from any of the thematic groups below:

Tissue Engineering and Regenerative Medicine: BME 56, BME 57, BME 122, BME 143, BME 154, BME 163, BME 165, BME 168, BME 169, BME 175.

Biomaterials: BME 56, BME 57, BME 153, BME 165, BME 168, BME 185, CHBE 121, CHBE 122, ME 123.

Biomedical Devices and Imaging: BME 25, BME 51, BME 56, BME 57, BME 61, BME 66, BME 100, BME 122, BME 131, BME 149, BME 160, BME 161, BME 166, BME 180.

(d) Any BME course, or any course with attribute value: SoE-Mathematics, SoE-Nat Sci, or SoE-Engineering.

(e) 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.

BSBME

Guidelines for Course Selection

Fall – 1st Year (14 SHUs)

EN 1
MATH 32
PHY 11
ENG 1

Spring – 1st Year (15 SHUs)*

ES 2 or COMP 11
MATH 34
PHY 12/CHEM 1
HASS

Fall – 2nd Year (19-21 SHUs)*

MATH 42
BIO 13
CHEM 1/CHEM 2/PHY 12
ES 5
BME 50
BME 3

Spring – 2nd Year (16-18 SHUs)*

MATH 51
PHY 12/CHEM 2
ES 7
HASS
BME 4 or BME 51/131/153

Fall – 3rd Year (15-19 SHUs)*

Prob. & Stat.
Foundation Elective (b)
Foundation Elective (b)
BME 62
BME 121
BME 5

Spring – 3rd Year (14-15 SHUs)*

Foundation Elective (b)
Concentration Elective (d)
BME 100
HASS
BME 6 or BME 66

Fall – 4th Year (15 SHUs)*

Foundation Elective (b)
Concentration Elective (c)
Concentration Elective (c)
HASS
BME 7

Spring – 4th Year (15 SHUs)*

Concentration Elective (c)
Concentration Elective (c)
HASS
Free Elective
BME 8

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