

Tufts University -- School of Engineering
Class of 2019
Bachelor of Science in Biomedical Engineering (BSBME)
Degree Checklist

Student: _____

Advisor: _____

ID #: _____

Introductory Mathematics & Natural Sciences* (9 Credits)	Term	Grade	M/NS
MATH 32			1
MATH 36			1
MATH 42			1
MATH 51			1
PHYS 11			1
PHYS 12			1
CHEM 1			1
CHEM 2			1
BIO 13			1

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

Humanity/Art/Social Sci (6 Credits) (g)	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 3				1
ES 5				1
ES 7				1
ES 8				1
BIO 41			1	
Prob & Stats (a)				
BME 121 or BIO 115/116			1	
Found Elect (b)			1	

Concentration* (12 Credits)	Term	Grade	M/NS	E
<i>Required (6 Credits)</i>				
BME 50				1
BME 51				1
BME 62				1
BME 100				1
BME 153 or 154				1
BME 131 or 165				1
<i>Electives (4 Credits)</i>				
Conc Elect (c)				
Conc Elect (d)				
Conc Elect (e)				
Conc Elect (f)				
<i>Senior Capstone Project (2 Credits)</i>				
BME 7				1
BME 8				1

Free Elective (1 Credit)	Term	Grade	M/NS	E
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: _____

BSBME - Notes

- (a) BIO 132, MATH 161&162, ES 56, EE 104, BME 141, CD 140, PSY 31

- (b) CHEM 31, CHEM 32, CHEM 51

- (c) BME 3&4, or BME 131

- (d) BME 5&6, or BME 153

- (e) Use SIS – Must be BME courses with attribute value: SoE- Engineering

- (f) Any BME course, BIO 46, BIO 102, BIO 105, BIO 152, BIO 171, CHEM 51, CHEM 52, PHYS 31, PHYS 115

- (g) 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.

BSBME

Guidelines for Course Selection

Fall – 1st Year

ES 93
MATH 32
PHY 11
ENG 1

Spring – 1st Year

ES 2
MATH 36
PHY 12/CHEM 1
HASS

Fall – 2nd Year

MATH 42
BIO 13
CHEM 1/CHEM 2/PHY 12
ES 5
BME 50
BME 3 (0.5)

Spring – 2nd Year

MATH 51
PHY 12/CHEM 2
ES 7
BME 4 (0.5) or BME 131
HASS

Fall – 3rd Year

BIO 41
ES 3
ES 8
BME 121
BME 5 (0.5) or BME 153

Spring – 3rd Year

BME 51
BME 62
BME 100
Foundation Elective
BME 6 (0.5)
HASS

Fall – 4th Year

BME 153 or 165
BME 7
Prob & Stat
Concentration Elect
HASS

Spring – 4th Year

BME 131 or 154
BME 8
Concentration Elect
HASS
Free-Elect