

**Tufts University -- School of Engineering**  
**Class of 2017**  
**Bachelor of Science in Biomedical Engineering (BSBME)**  
**Degree Checklist**

Student: \_\_\_\_\_

Advisor: \_\_\_\_\_

ID #: \_\_\_\_\_

<b>Introductory Mathematics &amp; Natural Sciences* (9 Credits)</b>	<b>Term</b>	<b>Grade</b>	<b>M/NS</b>
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

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

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

* No Pass/Fail
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<b>Foundation* (8 Credits)</b>	<b>Term</b>	<b>Grade</b>	<b>M/NS</b>	<b>E</b>
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	

<b>Concentration* (12 Credits)</b>	<b>Term</b>	<b>Grade</b>	<b>M/NS</b>	<b>E</b>
<i>Design/Research (4 Credits)</i>				
BME 3 (0.5)				0.5
BME 4 (0.5)				0.5
BME 5 (0.5)				0.5
BME 6 (0.5)				0.5
BME 7				1
BME 8				1
<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 (2 Credits) ( c )</i>				
Conc Elect				
Conc Elect				

<b>Free Elective (1 Credit)</b>	<b>Term</b>	<b>Grade</b>	<b>M/NS</b>	<b>E</b>
Free Elect				

<b>Total Engineering ( E ) Course Credits ≥ 14.5</b>	
<b>Total Math/Natural Science (M/NS) Course Credits ≥ 9.5</b>	

Student Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Advisor Signature: \_\_\_\_\_

Date: \_\_\_\_\_

ABET Program Director Signature: \_\_\_\_\_

Date: \_\_\_\_\_

## **BSBME - Notes**

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

(b) CHEM 31, CHEM 32, CHEM 51

(c) Use iSIS – Must be BME courses with attribute value: SoE- Engineering

Also, one Concentration Elective may be chosen from any BME course or from BIO 46, BIO 102, BIO 105, BIO 152, BIO 171 (cross-listed CHEM 171), CHEM 51, CHEM 52, PHY 31, or PHY 115

(d) Humanity/Art/Social Science (HASS):

Use iSIS - 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 – 1<sup>st</sup> Year (4.0 Credits)

ES 93  
MATH 32  
PHY 11  
CHEM 1

### Spring – 1<sup>st</sup> Year (4.0 Credits)

ES 2  
MATH 36  
PHY 12/CHEM 2  
ENG 1

### Fall – 2<sup>nd</sup> Year (5.5 Credits)

MATH 42  
BIO 13  
ES 3  
ES 5  
HASS  
BME 3 (0.5)

### Spring – 2<sup>nd</sup> Year (4.5 Credits)

MATH 51  
CHEM 2/PHY 12  
ES 7  
BME 50  
BME 4 (0.5)

### Fall – 3<sup>rd</sup> Year (5.5 Credits)

BIO 41  
ES 8  
Probability and Statistics  
BME 121  
Foundation Elective  
BME 5 (0.5)

### Spring – 3<sup>rd</sup> Year (4.5 Credits)

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

### Fall – 4<sup>th</sup> Year (5.0 Credits)

BME 153 /Concentration Elective  
BME 165/Concentration Elective  
Hum. Elective  
BME 7  
HASS

### Spring – 4<sup>th</sup> Year (5.0 Credits)

BME 131/Concentration Elective  
BME 154/Concentration Elective  
Soc Sci Elective  
BME 8  
Free Elective