

**Tufts University – School of Engineering**  
**Class of 2021**  
**Bachelor of Science in Biomedical Engineering (BSBME)**  
**Degree Sheet**

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

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

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

| Introductory Mathematics & Natural Sciences* | Term | Grade | M/NS |
|--|------|-------|------|
| MATH 32                                      |      |       |      |
| MATH 34 or 36                                |      |       |      |
| MATH 42                                      |      |       |      |
| MATH 51                                      |      |       |      |
| PHY 11                                       |      |       |      |
| PHY 12                                       |      |       |      |
| CHEM 1                                       |      |       |      |
| CHEM 2                                       |      |       |      |
| BIO 13                                       |      |       |      |

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

| Humanity/Art/Social Science (g) | 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:                       |  |

Refer to the Bulletin for minimum credit requirements.

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

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

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

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

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

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

| Foundation*        | Term | Grade | M/NS | E |
|--------------------|------|-------|------|---|
| ES 3               |      |       |      |   |
| ES 5               |      |       |      |   |
| ES 7               |      |       |      |   |
| ES 8 or 9          |      |       |      |   |
| BIO 41             |      |       |      |   |
| Prob & Stats (a)   |      |       |      |   |
| BME 121 or BIO 115 |      |       |      |   |
| Found Elect (b)    |      |       |      |   |

| Concentration*                 | Term | Grade | M/NS | E |
|--------------------------------|------|-------|------|---|
| <i>Required</i>                |      |       |      |   |
| BME 50                         |      |       |      |   |
| BME 62                         |      |       |      |   |
| BME 100                        |      |       |      |   |
| BME 131                        |      |       |      |   |
| BME 153                        |      |       |      |   |
| BME 51 or 165                  |      |       |      |   |
| <i>Concentration Electives</i> |      |       |      |   |
| Conc Elect (c)                 |      |       |      |   |
| Conc Elect (d)                 |      |       |      |   |
| Conc Elect (e)                 |      |       |      |   |
| Conc Elect (e,f)               |      |       |      |   |
| <i>Senior Capstone Project</i> |      |       |      |   |
| BME 7                          |      |       |      |   |
| BME 8                          |      |       |      |   |

| Free Elective | Term | Grade | M/NS | E |
|---------------|------|-------|------|---|
| Free Elect    |      |       |      |   |

## **BSBME - Notes**

- (a) BIO 132, MATH 161 & 162, ES 56, EE 24, BME 141, CD 140, PSY 31
  
- (b) ES 8, ES 9, ES 10, CHEM 31, CHEM 32, CHEM 51
  
- (c) BME 3 & 4, or any BME course
  
- (d) BME 5 & 6, or BME 66 (Engineering Design Process)
  
- (e) Any BME course
  
- (f) Use SIS – Must be course with attribute: SoE-Engineering, SoE-Mathematics, SoE-Natural Sciences
  
- (g) 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.

# BSBME

## Guidelines for Course Selection

### Fall – 1<sup>st</sup> Year

EN 1  
MATH 32  
PHY 11  
ENG 1

### Spring – 1<sup>st</sup> Year

ES 2  
MATH 34 or MATH 36  
PHY 12/CHEM 1  
HASS

### Fall – 2<sup>nd</sup> Year

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

### Spring – 2<sup>nd</sup> Year

MATH 51  
PHY 12/CHEM 2  
ES 7  
BME 4 or Concentration Elective  
HASS

### Fall – 3<sup>rd</sup> Year

BIO 41  
ES 3  
ES 8  
BME 121  
BME 153  
BME 5

### Spring – 3<sup>rd</sup> Year

BME 62  
BME 100  
Foundation Elective  
BME 6 or BME 66-EDP  
HASS

### Fall – 4<sup>th</sup> Year

BME 51 or 165  
BME 7  
Probability & Statistics  
Concentration Elective  
HASS

### Spring – 4<sup>th</sup> Year

BME 131  
BME 8  
Concentration Elective  
HASS  
Free Elective