

**Tufts University – School of Engineering**  
**Class of 2023**  
**Bachelor of Science in Mechanical Engineering (BSME)**  
**Degree Sheet**

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

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

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

Introductory Mathematics & Natural Sciences*	Term	Grade	M/NS
MATH 32			
MATH 34			
MATH 42			
MATH 51			
PHY 11			
CHEM 1			
PHY 12 or CHEM 2 or ES 11 or BIO 13			
Nat Sci or Math Elect (a,b)			

Foundation*	Term	Grade	M/NS	E
ME 10				
ME 20				
ME 30				
ME 40				
ME 50				
Foundation (a,b,c)				
Foundation (a,b,c)				
Prob, Stats or Num (d)				

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

Concentration*	Term	Grade	M/NS	E
ME 11				
ME 21				
ME 31				
ME 41				
ME 51				
ME 18				
ME 43				
Concentration (e)				
Concentration (e)				
Concentration (e)				
Concentration (e,f)				
Concentration (e,g)				

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

Free Electives	Term	Grade	M/NS	E
Free Elective				
Free Elective				

**\*No Pass/Fail**

Total Humanities, Arts & Social Sciences (HASS) ≥ 18	
Total Engineering (E) ≥ 45	
Total Math/Natural Sciences (M/NS) ≥ 30	
Overall Total Credits ≥ 120	

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

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

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

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

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

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

## **BSME - Notes**

- (a) Natural Science:  
Use SIS – Must be courses with attribute value: SoE-Natural Sciences
  
- (b) Mathematics:  
Use SIS – Must be courses with attribute value: SoE-Mathematics
  
- (c) Engineering:  
Use SIS – Must be courses with attribute value: SoE-Engineering  
Or, any EM course  
The following courses cannot be used to fulfill this requirement: ES 3, ES 5, ES 7, ES 8, ES 9, ES 10
  
- (d) Probability, Statistics, or Numerical Methods:  
EE 24, ES 55, ES 56, ES 101, MATH 125, MATH 165, MATH 166, ME 108
  
- (e) Concentration Elective:  
Any ME Course except ME 94, ME 96, ME 99
  
- (f) ME 94
  
- (g) ME 96
  
- (h) 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.

# BSME

## Guidelines for Course Selection

### Fall – 1<sup>st</sup> Year (14 SHUs)

EN 1  
MATH 32  
PHY 11  
ENG 1

### Spring – 1<sup>st</sup> Year (15 SHUs)

ES 2 or COMP 11  
MATH 34  
CHEM 1  
HASS

### Fall – 2<sup>nd</sup> Year (16-18 SHUs)

Natural Science or Mathematics  
PHY 12 or CHEM 2 or ES 11 or BIO 13  
MATH 51  
ME 10  
ME 20

### Spring – 2<sup>nd</sup> Year (16 SHUs)

HASS  
MATH 42  
ME 21  
ME 40  
ME 50

### Fall – 3<sup>rd</sup> Year (17-18 SHUs)

Prob, Stats or Num  
Foundation  
ME 11  
ME 30  
ME 51

### Spring – 3<sup>rd</sup> Year (16 SHUs)

HASS  
ME 18  
ME 31  
ME 41  
Concentration

### Fall – 4<sup>th</sup> Year (15 SHUs)

ME 43  
HASS  
Concentration  
Concentration  
Free Elective

### Spring – 4<sup>th</sup> Year (15 SHUs)

HASS  
Foundation  
Concentration  
Concentration  
Free Elective

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