

**Tufts University -- School of Engineering**  
**Class of 2020**  
**Bachelor of Science in Electrical Engineering (BSEE)**  
**Degree Checklist**

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

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

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

<b>Introductory Mathematics &amp; Natural Sciences* (8 Credits)</b>	<b>Term</b>	<b>Grade</b>	<b>M/NS</b>
MATH 32			
MATH 34 or 36			
MATH 42			
MATH 51			
PHYS 11			
PHYS 12			
CHEM 1			
Nat Sci Elect (a)			

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

<b>Humanity/Art/Social Sci (6 Credits) (f)</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				
ES 4				
EE 23				
EE 24				
MATH 70 or 72				
COMP 11				
Found Elect (a,b,c)				
Found Elect (a,b,c)				

<b>Concentration* (12 Credits)</b>	<b>Term</b>	<b>Grade</b>	<b>M/NS</b>	<b>E</b>
<i>Required (7 Credits)</i>				
EE 14				
EE 18				
EE 21				
EE 22				
EE 31				
EE 105				
EE 107				
<i>Electives (4 Credits)</i>				
Conc Elect (d)				
Conc Elect (d)				
Conc Elect (d)				
Conc Elect (d,e)				
<i>Senior Design Project (1 Credit)</i>				
EE 97 (0.5)				
EE 98 (0.5)				

<b>Free Electives (2 Credits)</b>	<b>Term</b>	<b>Grade</b>	<b>M/NS</b>	<b>E</b>
Free Elect				
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: \_\_\_\_\_

## **BSEE – 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) ES 5, ES 7, ES 8, ES 9, ES 10, COMP 15, COMP 160

(d) Use SIS – Must be EE courses with attribute value: SoE-Engineering

(e) EM 51, (a), (b), or use SIS- Must be courses with attribute value: SoE-Engineering

(f) 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.

# BSEE

## Guidelines for Course Selection

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

EN 1  
MATH 32  
PHY 11  
ENG 1

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

ES 2  
MATH 34 or 36  
PHY 12  
HASS

### Fall – 2<sup>nd</sup> Year (5.0 Credits)

ES 3  
MATH 70 or 72  
MATH 42  
CHEM 1  
HASS

### Spring – 2<sup>nd</sup> Year (5.0 Credits)

ES 4  
EE 21  
MATH 51  
COMP 11  
Foundation Elective

### Fall – 3<sup>rd</sup> Year (5.0 Credits)

EE 14  
EE 22  
EE 23  
Foundation Elective  
Free Elective

### Spring – 3<sup>rd</sup> Year (5.0 Credits)

EE 18  
EE 24  
EE 31  
Nat Science Elective  
HASS

### Fall – 4<sup>th</sup> Year (5.5 Credits)

EE 97 (0.5)  
EE 105  
EE 107  
Concentration Elective  
Concentration Elective  
HASS

### Spring – 4<sup>th</sup> Year (4.5 Credits)

EE 98 (0.5)  
Concentration Elective  
Concentration Elective  
HASS  
Free Elective