

Tufts University -- School of Engineering
Class of 2017
Bachelor of Science in Mechanical Engineering (BSME)
Degree Checklist

Student: _____

Advisor: _____

ID #: _____

Introductory Mathematics & Natural Sciences* (8 Credits)	Term	Grade	M/NS
MATH 32			1
MATH 36			1
MATH 42			1
MATH 51			1
PHYS 11			1
CHEM 1 or 16			1
PHYS 12 or CHEM 2			1
Nat Sci Elect (a)			1

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

Humanity/Art/Social Sci (6 Credits) (h)	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
ES 9				1
ME 25			1	
Found Elect (a,b)			1	
Found Elect (c)				

Concentration* (12 Credits)	Term	Grade	M/NS	E
<i>Required (5 Credits)</i>				
ME 1				1
ME 16				1
ME 18				1
ME 37				1
ME 80				1
<i>Concentration Electives (5 Credits)</i>				
Conc Elect (d)				
Conc Elect (d)				
Conc Elect (d)				
Conc Elect (d,e,f)				
Conc Elect (d,e,f,g)				
<i>Design (2 Credits)</i>				
ME 42				1
ME 43 Senior Design Project				1

Free Electives (2 Credits)	Term	Grade	M/NS	E
Free Elect				
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: _____

BSME – Notes

- (a) Natural Science:
Use iSIS – Must be courses with attribute value: SoE-Nat Sci

- (b) Mathematics:
Use iSIS – Must be courses with attribute value: SoE-Mathematics

- (c) Foundation Elective:
Use iSIS - Must be courses with attribute value: SoE-Engineering
Or, Natural Science Elective (a) with a pre-req of BIO 13, CHEM 1, EOS 1, or PHY 11
Or, Any EM course

- (d) Use iSIS - Must be ME course, except ME 94, 96, 193, 194 with
attribute value: SoE - Engineering

- (e) ME 94, 96, 193, 194. If two are chosen from research (94, 96, 194) then one of these two
must be thesis (ME 96)

- (f) Use iSIS- Must be courses having pre-req of (c) with attribute value: SoE- Engineering
Or, EM course with a pre-req of (c)

- (g) One course credit in:
 - . Nat Sci (a) with a pre-req of BIO 13, CHEM 1, EOS 1, or PHY 11, or
 - . Math (b) with Math 32 as a pre-req

- (h) 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.

BSME

Guidelines for Course Selection

Fall – 1st Year (4.0 Credits)

ES 93
Math 32
Physics 11
English 1

Spring – 1st Year (4.0 Credits)

ES 2
Math 36
Chem 1
HASS

Fall – 2nd Year (5.0 Credits)

ES 3
ES 5
Math 42
Phy 12 or Chem 2
HASS

Spring – 2nd Year (5.0 Credits)

ES 7
ES 9
ME 1
Math 51
Foundation Elective

Fall – 3rd Year (5.0 Credits)

ES 8
ME 25
ME 37
ME 42
Nat. Science Elective

Spring – 3rd Year (5.0 Credits)

ME 16
ME 18
ME 80
Concentration Elective
HASS

Fall – 4th Year (5.0 Credits)

ME 43
Concentration Elective
Foundation Elective
HASS
Free Elective

Spring – 4th Year (5.0 Credits)

Concentration Elective
Concentration Elective
Concentration Elective
HASS
Free Elective