

Tufts University – School of Engineering
Class of 2023
Bachelor of Science in Civil Engineering (BSCE)
Degree Sheet

Student: _____

Advisor: _____

ID #: _____

Introductory Mathematics & Natural Sciences*	Term	Grade
MATH 32		
MATH 34		
MATH 42		
MATH 51		
PHY 11		
CHEM 1		
EOS 1, EOS 2, EOS 5, ES 11 or BIO 13		
MNS Elective (a)		

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

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

***No Pass/Fail**

Total Humanities, Arts & Social Sciences \geq 18	
Total Engineering \geq 45	
Total Math/Natural Science \geq 30	
Overall Total \geq 120	

Foundation*	Term	Grade
ES 5		
ES 8		
ES 9		
ES 18		
ES 55		
ES 56		
\geq 12 SHU Technical Elective (d), list below		

Concentration*	Term	Grade
CEE 12		
CEE 22		
CEE 32		
CEE 42		
CEE 52		
CEE 80		
CEE 81		
CEE 187 or CEE 188		
Analysis Elect (b)		
Design Elect (c)		
Design Elect (c)		

Free Electives \geq 4 SHUs, list courses below:	Term	Grade

Student Signature: _____

Date: _____

Advisor Signature: _____

Date: _____

ABET Program Director Signature: _____

Date: _____

BSCE - Notes

- (a) Mathematics or Natural Science Elective: Use SIS to select a course numbered below 200 with attribute value of SOE-Mathematics or SOE-Natural Sciences.

- (b) Analysis Elective:
 - Select from CEE106, CEE 127, CEE 151, CEE 152, or UEP 236

- (c) Design Electives:
 - Environment and Health: CEE 133, CEE 136, CEE 143, CEE 159
 - Infrastructure: CEE 24, CEE 25, CEE 129, CEE 146, CEE 149
 - Water Resources: CEE 111, CEE 112

- (d) Completion of the degree requires a minimum of twelve semester hour units of Technical Electives. Select Technical Electives from:
 - a. Courses in SIS that are numbered below 200 with attribute value SOE-Engineering, SOE-Mathematics, or SOE-Natural Science
 - b. Additionally approved courses:
 - Anthropology: ANTH 24
 - Architecture: FAH 8, FAH 96, FAH 97
 - Economics: EC 5, EC 8, EC 30
 - Engineering Management: EM 51, EM 52, EM 54, EM 153, EM 155
 - Political Science: PS194
 - Urban & Environmental Planning: UEP11, UEP 94, UEP 101, UEP 105, UEP 130, UEP 178, UEP 236, UEP 237

- (e) Humanities, Arts, and Social Sciences (HASS):
 - Use SIS – Must be courses with attribute value: SOE-HASS. Completion of the degree requires a minimum of eighteen semester hour units of HASS courses. Courses selected must include one course in Humanities (H), one course in Social Sciences (SS), and at least two courses from the same department.

BSCE

Guidelines for Course Selection

Fall – 1st Year (14 SHU)

MATH 32
PHY 11
EN 1
ENG 1

Spring – 1st Year (17-18 SHU)*

MATH 34
CHEM 1
ES 2 or COMP 11
HASS
Free Elective

Fall – 2nd Year (17 SHU)

MATH 42
ES 5
ES 18
CEE 32
MNS Elective (or EOS 1, EOS 5, ES 11, or BIO 13)

Spring – 2nd Year (17 SHU)

MATH 51
ES 9
ES 56
CEE 52
EOS 2 (or MNS Elective)

Fall – 3rd Year (16 SHU)*

ES 8
ES 55
CEE 22
Technical Elective
HASS

Spring – 3rd Year (17 SHU)*

CEE 12
CEE 42
CEE 80
Technical Elective
HASS

Fall – 4th Year (16 SHU)*

Analysis Elective
Design Elective
CEE 187 or CEE 188
Technical Elective
HASS

Spring – 4th Year (15-16 SHU)*

CEE 81
Design Elective
Technical Elective
HASS
Free Elective

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