Approved Elective Course: Non-EE courses that require limited pre-requisite coursework and add to the knowledge and breadth of the graduate: Choose one course from this list, required AY 2013-14 and later.

- EET/EE 3373 Intro to Programmable Controllers (0-2-3) Fall
  - [EET 1411 or (EET 2120 and EET 2141) or EET 2411 or PH 2220 or EE 2112 or EE 3010]
- ENG 2120 Statics-Strength of Materials (0-4-0) Spg
  - [MA 2160 and PH 2100 and ENG 1102]
- ENG 3200 Thermodynamics/Fluid Mechanics (0-4-0) Fall, Spg
  - [MA 2160 and CH 1112 or (CH 1150 and CH 1151) and PH 2100 and ENG 1102]
- ENG 4510 Sustainable Futures I (3-0-0) Fall
  - [Junior or Senior standing and UN 2002]
- MEEM 2110 Statics (0-3-0) Fall, Spg, Sum
  - [COE enrolled and MA 2160]
- MEEM 2150 Mechanics of Materials (0-3-0) Fall, Spg, Sum
  - [COE enrolled and MEEM 2110]
- MEEM 2200 Thermodynamics or MEEM 2201 Energy-Thermal-Fluids I (0-3-0) Fall, Spg, Sum
  - [COE enrolled and MA 2160 and CH 1150 and CH 1151]
- MEEM 2700 Dynamics (0-3-0) Fall, Spg, Sum
  - [PH 2100 and (MEEM 2110 or ENG 2120) and MA 3160(C)]
- MEEM 3210 Fluid Mechanics (0-3-0) Fall, Spg, Sum
  - [MEEM 2200 and MEEM 2700(C) and (MA 3520 or MA 3521 or MA 3530 or MA 3560) Co-Req MEEM 3220]
- MEEM 3220 Energy Laboratory (0-0-2) Fall, Spg, Sum
  - [MEEM 2200 Co-req MEEM 3210]
- MY 2100 Intro to Materials Science Engineering (3-0-0) Fall, Spg, Sum
  - [CH 1112 or CH 1122 or (CH 1150 and CH 1151) or (CH 1160 and CH 1161)]
- MY 4292 Light & Photonic Materials (3-0-0) Spg
  - [(PH 2200 or EE 2190 or EE 3410)] (JR or SR)
- PH 2300 University Physics III-Fluids and Thermodynamics (4-0-0) Spg
  - [PH 1160 or PH 2100]
- PH 2400 University Physics IV, Waves and Modern Physics (3-0-0) Fall, Spg, Sum
  - [(PH 2200 or PH 2260)]
- PH 3300 Thermodynamics and Statistical Mechanics (3-0-0) Spg
  - [PH 2300 or PH 1360]

Choose remaining Approved Electives credits from the list above or below. Your online degree audit shows what you yet need.

- Any MA course at least 3000 level except MA 3720 or MA 4945.
- Any BL course except BL 3990.
- Any CH course number CH 1152 or higher
- Any PH course numbered PH 1600 and higher, except PH 2230.
- MAA not accepted.
- Any CS course
- Any EE course except EE 3010 (maximum of 4 credits EE)
- ENG 2100-ENG 4999 except ENG 2990, 3530, 3993, 4160, 4900, 4905, 4910, and ENG 4990
- Any BE, CE, CM except CM 3410, GE, MEEM, MY course
- EET 3373, EET 4373
- Any ENT course except ENT 1950
- UN 4000 Remote Sensing Seminar
- UN 3002 Co-op (6 credits maximum).

2015-16: 3 credits required from the “SELECT” list and choose remaining approved elective credits from either or both lists.
& 2014-15 & 2013-14

2012-13: 6 credits are required with the Senior Design option. (EE 4901, EE 4910 or MEEM 4901, MEEM 4911)
4 credits are required with the Enterprise Design option. (ENT 3950, ENT 3960, ENT 4950, ENT 4960)

A minimum of 5 credits must be math/sci – MA, BL, CH, PH: (CH 1150, CH 1151, and EE 1110 apply)

2011-12 12 credits are required with the Senior Design option. (EE 4901, EE 4910 or MEEM 4901, MEEM 4911)
& 2010-11 10 credits are required with the Enterprise Design option. (ENT 3950, ENT 3960, ENT 4950, ENT 4960)

2009 & earlier 12 credits are required. A minimum of 5 credits must be math/sci – MA, BL, CH, PH: (CH 1150, CH 1151 apply)

Courses graded pass/fail or taken under ‘audit’ option do not qualify. Courses must be graded A-D.