'SELECT' 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.

- \text{EET 3373 Intro to Programmable Controllers} (0-2-3) Fall
  - [EET 1411 or (EET 2120 and EET 2141) or EET 2411 or PH 2230 or EE 2112 or EE 3010]

- \text{ENG 2120 Statics-Strength of Materials} (0-4-0) Spg
  - [MA 2160 and PH 2100 and ENG 1102]

- \text{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]

- \text{ENG 4510 Sustainable Futures I} (3-0-0) Fall
  - [Junior or Senior standing and UN 2002]

- \text{MEEM 2110 Statics} (0-3-0) Fall, Spg, Sum
  - [COE enrolled and MA 2160]

- \text{MEEM 2150 Mechanics of Materials} (0-3-0) Fall, Spg, Sum
  - [COE enrolled and MEEM 2110]

- \text{MEEM 2200 Thermodynamics} (0-3-0) Fall, Spg, Sum
  - [COE enrolled and MA 2160 and CH 1150 and CH 1151]

- \text{MEEM 2700 Dynamics} (0-3-0) Fall, Spg, Sum
  - [PH 2100 and (MEEM 2110 or ENG 2120) and MA 3160(C)]

- \text{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]

- \text{MEEM 3220 Energy Laboratory} (0-0-2) Fall, Spg, Sum
  - [MEEM 2200 Co-req MEEM3210]

- \text{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)]

- \text{MY 3292 Light & Photonic Materials} (3-0-0) Spg
  - [(PH 2200 or EE 2190 or EE 3410)]

- \text{PH 2300 University Physics III-Fluids and Thermodynamics} (4-0-0) Spg
  - [PH 1160 or PH 2100]

- \text{PH 2400 University Physics IV, Waves and Modern Physics} (3-0-0) Fall, Spg, Sum
  - [(PH 2200 or PH 2260)]

- \text{PH 3300 Thermodynamics and Statistical Mechanics} (3-0-0) Spg
  - [PH 2300 and PH 1360]

Choose remaining \textit{Approved Electives credits} from the list above or below. Follow catalog year requirements. (see your online degree audit)

- Any MA course at least 3000 level except MA3720 or MA4945.
- Any BL course except BL3990.
- Any CH course number CH1152 or higher
- Any PH course numbered PH1600 and higher, except PH2230.
- MAA not accepted.
- Any CS course
- Any EE course except EE3010 (maximum of 4 credits EE)
  \text{ENG2000-ENG4999 except ENG2990, 3530, 3993, 4160, 4900, 4905, 4910, and ENG4990}
- Any BE, CE, CM except CM3410, GE, MEEM, MY course
  \text{EET3373, EET4373}
- Any ENT course except ENT1950
  \text{UN4000 Remote Sensing Seminar}
- UN3002 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. (EE4901,EE4910 or MEEM4901,MEEM4911)
4 credits are required with the Enterprise Design option. (ENT3950, ENT3960, ENT4950, ENT4960)

A minimum of 5 credits must be math/sci – MA, BL, CH, PH: (CH1150,CH1151, and EE1110 apply)

2011-12 12 credits are required with the Senior Design option. (EE4901,EE4910 or MEEM4901,MEEM4911)
& 2010-11: 10 credits are required with the Enterprise Design option. (ENT3950, ENT3960, ENT4950, ENT4960)

2009 & earlier: 12 credits are required. A minimum of 5 credits must be math/sci – MA, BL, CH, PH: (CH1150,CH1151 apply)

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