SELECT and Approved Electives - Electrical Engineering degree

See your online degree audit for choices before and after adding courses to your schedule.

Look up semester offerings and pre-requisites online using the Schedule of Classes and/or online course descriptions.

<table>
<thead>
<tr>
<th>'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.</th>
</tr>
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</table>
| EET/EE 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] |
| 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 MEEM2201 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 MEEM3210] |
| 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 and PH 1360] |

Choose remaining 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)
ENG2000-ENG4999 except ENG2990, 3530, 3993, 4160, 4900, 4905, 4910, and ENG4990
Any BE, CE, CM except CM3410, GE, MEEM, MY course
EET3373, EET4373
Any ENT course except ENT1950
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.