# Bachelor of Science in Engineering - Electrical Engineering
## 2015-2016 Catalog

### Freshman Year

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Spring Semester</th>
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</thead>
<tbody>
<tr>
<td><strong>#ENG 101 (3)</strong>&lt;br&gt;SAT SCORE &gt; 500 OR ACT SCORE &gt; 18 OR PLACEMENT EXAM</td>
<td><strong>#ENG 102 (3)</strong>&lt;br&gt;PREREQUISITE ENG 101 or ENG 101 E/F</td>
</tr>
<tr>
<td><strong>#MATH 181 (4)</strong>&lt;br&gt;PREREQUISITE MATH 127 OR 128</td>
<td><strong>#MATH 182 (4)</strong>&lt;br&gt;PREREQUISITE MATH 181</td>
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<tr>
<td><strong>#CHEM 121A/L (4)</strong>&lt;br&gt;PREREQUISITE CHEM PLACEMENT TEST OR CHEM 103 COREQUISITE MATH 126 OR HIGHER</td>
<td><strong>#PHYS 180/L (4)</strong>&lt;br&gt;PREREQUISITE MATH 181</td>
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<tr>
<td><strong>#CPE 100 (3)</strong>&lt;br&gt;PREREQUISITE MATH 127 OR 128 OR HIGHER</td>
<td><strong>#CS 117 OR CS 135</strong>&lt;br&gt;PREREQUISITE CS 117 - MATH 181 CS135 - MATH 127 OR 128 OR HIGHER</td>
</tr>
<tr>
<td><strong>#FIRST-YEAR SEMINAR (2-3)</strong>&lt;br&gt;EGG 101/L RECOMMENDED</td>
<td><strong>#ECON 190 (3)</strong>&lt;br&gt;SATISFIES INTERNATIONAL REQUIREMENT</td>
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### Sophomore Year

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Spring Semester</th>
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<tr>
<td><strong>#SOPHOMORE SEMINAR (3)</strong>&lt;br&gt;PHIL 242 RECOMMENDED</td>
<td><strong>#EE 221/L (4)</strong>&lt;br&gt;PREREQUISITE EE 220</td>
</tr>
<tr>
<td><strong>#MATH 283 (4)</strong>&lt;br&gt;PREREQUISITE MATH 182</td>
<td><strong>#MATH 431 (3)</strong>&lt;br&gt;PREREQUISITE MATH 283</td>
</tr>
<tr>
<td><strong>#MATH 182 (4)</strong>&lt;br&gt;PREREQUISITE MATH 181</td>
<td><strong>#EGG 307 (3)</strong>&lt;br&gt;PREREQUISITE MATH 181 &amp; 30+ CREDITS (SOPHOMORE STANDING)</td>
</tr>
<tr>
<td><strong>#EE 220/D (3)</strong>&lt;br&gt;PREREQUISITE MATH 182 &amp; CS 117 OR CS 135</td>
<td><strong>#GEN. ED REQ. (3)</strong>&lt;br&gt;SOCIAL SCIENCE (MULTI) NOTE: REFER TO THE 2015-16 UNIVERSITY CATALOG</td>
</tr>
</tbody>
</table>

### Notes:
- * INDICATES COURSES OFFERED IN FALL
- @ INDICATES COURSES OFFERED IN SPRING
- # INDICATES COURSES OFFERED IN SUMMER
Bachelor of Science in Engineering - Electrical Engineering  
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<table>
<thead>
<tr>
<th>JUNIOR YEAR</th>
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<th>SENIOR YEAR</th>
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<tbody>
<tr>
<td>FALL SEMESTER</td>
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<td>FALL SEMESTER</td>
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<td>SPRING SEMESTER</td>
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<td>SPRING SEMESTER</td>
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- **@#MATH 432 (3)**  
  PREREQUISITE  
  MATH 431

- **@EE 361 (3)**  
  PREREQUISITES  
  EE 360 & MATH 432

- **@EE CORE AREA #3 (3)**  
  NOTE: REQUIRES ADVANCED STANDING & COURSE

- **@EE 320/L (4)**  
  PREREQUISITIE  
  EE 221/L, MATH 431, CHEM 121A/L, PHYS181/L

- **@EE 370 (3)**  
  PREREQUISITES  
  EE 360 & (MATH 432 OR MATH 459)

- **@EE CORE AREA #4 (3)**  
  NOTE: REQUIRES ADVANCED STANDING & COURSE CO/PREREQS.

- **@EE 330/D (3)**  
  PREREQUISITES  
  PHYS 181, MATH 431, EE 221 COREQUISITE  
  MATH 432

- **@EE CORE AREA #1 (3)**  
  NOTE: REQUIRES ADVANCED STANDING & COURSE CO/PREREQS.

- **@EE 360/D (3)**  
  PREREQUISITES  
  EE 221, MATH 431 COREQUISITE  
  MATH 432 or MATH 459

- **@EE CORE AREA #2 (3)**  
  NOTE: REQUIRES ADVANCED STANDING & COURSE CO/PREREQS.

- **@#FINE ARTS ELECTIVE (3)**  
  MULTI IF NOT TAKEN AS SOCIAL SCIENCE  
  NOTE: REFER TO THE 2015-16 CATALOG

- **@LAB #1 (1)**  
  NOTE: REQUIRES ADVANCED STANDING & COURSE

- **@LAB #2 (1)**  
  NOTE: REQUIRES ADVANCED STANDING & COURSE CO/PREREQS.

- **@#COM 216 (3)**  
  (IF NOT TAKEN AS SYS)

- **@EE PROFESSIONAL ELECTIVE #1 (3)**  
  NOTE: REFER TO APPROVED LIST OF EE/CPE ELECTIVES

- **@EE CORE AREA #6 (3)**  
  NOTE: REQUIRES ADVANCED STANDING & COURSE CO/PREREQS.

- **@EE CORE AREA #5 (3)**  
  NOTE: REQUIRES ADVANCED STANDING & COURSE

- **@LAB #3 (1)**  
  NOTE: REQUIRES ADVANCED STANDING & COURSE CO/PREREQS.

- **@LAB #4 (1)**  
  NOTE: REQUIRES ADVANCED STANDING & COURSE CO/PREREQS.

- **@LAB #5 (1)**  
  NOTE: REQUIRES ADVANCED STANDING & COURSE CO/PREREQS.

- **@LAB #6 (1)**  
  NOTE: REQUIRES ADVANCED STANDING & COURSE CO/PREREQS.

- **@LAB #7 (1)**  
  NOTE: REQUIRES ADVANCED STANDING & COURSE CO/PREREQS.

- **@EE 497 (1)**  
  PREREQUISITES  
  SENIOR STANDING & CPE OR EE MAJOR & CONSENT OF FAC. MENTOR AND DEPT.

- **@EE CORE AREA #2 (3)**  
  NOTE: REQUIRES ADVANCED STANDING & COURSE CO/PREREQS.

- **@#PHIL 242 (3)**  
  (IF NOT TAKEN AS SYS)

- **@EE CORE AREA #6 (3)**  
  NOTE: REQUIRES ADVANCED STANDING & COURSE CO/PREREQS.

- **@EE 498 (2)**  
  PREREQUISITES  
  EE 497 & FINAL SEMESTER SENIOR

- **@MATH/SCIENCE PROFESSIONAL ELECTIVE #3 (3)**  
  NOTE: REFER TO APPROVED LIST OF MATH/SCIENCE

- **@EE 498 (2)**  
  PREREQUISITES  
  EE 497 & FINAL SEMESTER SENIOR

- **@#COM 216 (3)**  
  (IF NOT TAKEN AS SYS)