### B.S. - ELECTRICAL ENGINEERING 2018-19 CATALOG

#### FRESHMAN YEAR

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Spring Semester</th>
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<tbody>
<tr>
<td><strong>@HENG 101 (3)</strong>&lt;br&gt;SAT SCORE &gt; 499 or SAT ERWS &gt; 479 OR ACT SCORE &gt; 17 OR PLACEMENT EXAM</td>
<td><strong>@#ENG 102 (3)</strong>&lt;br&gt;PREREQUISITE ENG 101 or ENG 101 E/F</td>
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<tr>
<td><strong>@#MATH 181 (4)</strong>&lt;br&gt;PREREQUISITE MATH 127 OR 128 OR SAT SCORE &gt; 629 OR SAT MSS &gt; 649 OR ACT SCORE &gt; 27 PLACEMENT TEST</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>@#CS 117 OR CS 135</strong>&lt;br&gt;PREREQUISITE CS 117 - MATH 181 CS135 - MATH 127 OR 128 OR HIGHER</td>
<td><strong>@#CPE 100 (3)</strong>&lt;br&gt;PREREQUISITE MATH 127 OR MATH 128 OR MATH 181 W/ GRADE OF C OR BETTER</td>
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<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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<tr>
<td><strong># INDICATES COURSES OFFERED IN FALL</strong></td>
<td><strong>@#CPE 200 &amp; D &amp; L (4)</strong>&lt;br&gt;PREREQUISITE CPE 100</td>
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<tr>
<td><strong>@ INDICATES COURSES OFFERED IN SPRING</strong></td>
<td>CONSTITUTIONAL REQUIREMENT SUGGESTED <strong>@#PSC101 (4) OR @#HIST100 (4)</strong></td>
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<tr>
<td><strong>@#SOHOMORE SEMINAR (3)</strong>&lt;br&gt;PHIL 242 RECOMMENDED</td>
<td><strong>@EE 221/L (4)</strong>&lt;br&gt;PREREQUISITE EE 220</td>
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<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>@# CEE 307 (3)</strong>&lt;br&gt;PREREQUISITE MATH 181 &amp; 30+ CREDITS (SOHOMORE STANDING)</td>
<td><strong>@#GEN. ED REQ. (3)</strong>&lt;br&gt;SOCIAL SCIENCE (MULTI) NOTE: REFER TO THE 2017-18 UNIVERSITY CATALOG</td>
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</tbody>
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Junior Year

Fall Semester
- @#MATH 432 or MATH 459 (3)
  PREREQUISITE
  MATH 432 - MATH 283
  MATH 459 - MATH 251
  AND MATH 283

Spring Semester
- @EE 361 (3)
  PREREQUISITES
  EE 360 & MATH 432 or MATH 459

Senior Year

Fall Semester
- @EE Core
  Area #3 (3)
  NOTE: REQUIRES ADVANCED STANDING & COURSE

Spring Semester
- @EE Core
  Area #4 (3)
  NOTE: REQUIRES ADVANCED STANDING & COURSE CO/PREREQS.

Fall Semester
- @EE Core
  Area #5 (3)
  NOTE: REQUIRES ADVANCED STANDING & COURSE CO/PREREQS.

Spring Semester
- @EE Professional Elective #1 (3)
  NOTE: REFER TO APPROVED LIST OF EE/CPE AND EGG

Fall Semester
- @EE Professional Elective #2 (3)
  NOTE: REFER TO APPROVED LIST OF EE/CPE AND EGG

Spring Semester
- @Math/Science Professional Elective #3 (3)
  NOTE: REFER TO APPROVED LIST OF MATH/SCIENCE

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

Spring Semester
- @Fine Arts Elective (3)
  MULTIF NOT TAKEN AS SOCIAL SCIENCE
  NOTE: REFER TO THE 2018-19 CATALOG

Fall Semester
- @Lab #1 (1)
  NOTE: REQUIRES ADVANCED STANDING & COURSE

Spring Semester
- @Lab #2 (1)
  NOTE: REQUIRES ADVANCED STANDING & COURSE CO/PREREQS.

Fall Semester
- @EE 497 (1)
  PREREQUISITE: SENIOR STANDING & CPE OR EE MAJOR & CONSENT OF FAC.
  MENTOR AND DEPT.

Spring Semester
- @Phil 242 (3)
  (IF NOT TAKEN AS SYS)

* COURSE OFFERED IN FALL
@ COURSE OFFERED IN SPRING
# INDICATES COURSES OFFERED IN SUMMER (SUBJECT TO CHANGE BASED ON DEPT. OFFERING)