# B.S. - MECHANICAL ENGINEERING 2019-20 CATALOG

## FRESHMAN YEAR

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>SPRING SEMESTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>*@#ENG 101 (3)</td>
<td>*@#ENG 102 (3)</td>
</tr>
<tr>
<td>SAT SCORE &gt; 499 or SAT ERWS &gt; 479 OR ACT SCORE &gt; 17 OR PLACEMENT EXAM</td>
<td>PREREQUISITE ENG 101 or ENG 101 E/F</td>
</tr>
<tr>
<td>*@#MATH 181 (4)</td>
<td>*@#MATH 182 (4)</td>
</tr>
<tr>
<td>PREREQUISITE MATH 127 OR 128 OR SAT SCORE &gt; 629 OR SAT MSS &gt; 649 OR ACT SCORE &gt; 27 PLACEMENT TEST</td>
<td>PREREQUISITE MATH 181</td>
</tr>
<tr>
<td>*@#CHEM 121A/L (4)</td>
<td>*@#PHYS 180/L (4)</td>
</tr>
<tr>
<td>PREREQUISITE CHEM PLACEMENT TEST OR CHEM 103 COREQUISITE MATH 126 OR HIGHER</td>
<td>PREREQUISITE MATH 181</td>
</tr>
<tr>
<td>FIRST-YEAR SEMINAR (2-3)</td>
<td>*@#EE 292 (3)</td>
</tr>
<tr>
<td>EGG 101/L RECOMMENDED</td>
<td>PREREQUISITE MATH 182 &amp; PHYS 180/L or PHYS 151/L</td>
</tr>
<tr>
<td>*@#FINE ARTS ELECTIVE (3)</td>
<td>*@#GEN. ED REQ. (3)</td>
</tr>
<tr>
<td>MULTI OR INTL IF NOT TAKEN AS SOCIAL SCIENCE OR HUMANITIES SOCIAL SCIENCE OR HUMANITIES (MULTI OR INTL) NOTE: REFER TO THE 2019-20 UNIVERSITY CATALOG</td>
<td>SOCIAL SCIENCE OR HUMANITIES (MULTI OR INTL) NOTE: REFER TO THE 2019-20 UNIVERSITY CATALOG</td>
</tr>
<tr>
<td>* INDICATES COURSES OFFERED IN FALL</td>
<td># INDICATES COURSES OFFERED IN SUMMER (SUBJECT TO CHANGE BASED ON DEPT. OFFERING)</td>
</tr>
</tbody>
</table>

## SOPHOMORE YEAR

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>SPRING SEMESTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>*@#CEE 241 (3)</td>
<td>*@#ME 242 (3)</td>
</tr>
<tr>
<td>PREREQUISITE PHYS 180/L, MATH 182</td>
<td>PREREQUISITE CEE 241, PHYS 180/L &amp; MATH 182</td>
</tr>
<tr>
<td>*@#MATH 283 (4)</td>
<td>*@#MATH 431 (3)</td>
</tr>
<tr>
<td>PREREQUISITE MATH 182</td>
<td>PREREQUISITE MATH 283</td>
</tr>
<tr>
<td>*@#ME 220 OR ME 240</td>
<td>*@#ME 301 (3)</td>
</tr>
<tr>
<td>PREREQUISITE PHYS 180/L &amp; MATH 182</td>
<td>PREREQUISITE CHEM 121A/L PREREQUISITE PHYS 180/L</td>
</tr>
<tr>
<td>*@#ME 319/L (2)</td>
<td></td>
</tr>
<tr>
<td>SEMINAR (3)</td>
<td>PREREQUISITE MATH 182</td>
</tr>
</tbody>
</table>

* INDICATES COURSES OFFERED IN FALL
@ INDICATES COURSES OFFERED IN SPRING

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B.S. - MECHANICAL ENGINEERING 2019-20 CATALOG

JUNIOR YEAR

FALL SEMESTER

*#ME 402 (3)
PREREQUISITE
ME 319/L & MATH 431

@ME 330 (2)
PREREQUISITE
ME 242, MATH 431 & ME 319/L

@ME 311 (3)
PREREQUISITE
PHYS 181/L OR PHYS 182/L

@ME 440 (3)
PREREQUISITE
ME 302/L

@#GEN. ED REQ. (3)
SOCIAL SCIENCE OR HUMANITIES (MULTI) NOTE: REFER TO THE 2019-20 UNIVERSITY CATALOG

DESIGN OR LAB ELECTIVE (1)
See Approved List

SPRING SEMESTER

Engineering Dynamics Requirement #1 (3)

Engineering Dynamics Requirement #2 (3)

ME ELECTIVE #1 (3)
NOTE: REFER TO APPROVED LIST

ME ELECTIVE #2 (3)
NOTE: REFER TO APPROVED LIST

ME ELECTIVE #3 (3)
NOTE: REFER TO APPROVED LIST

ME ELECTIVE #4 (3)
NOTE: REFER TO APPROVED LIST

%REQUIRES ADVANCED STANDING

*COURSE OFFERED IN FALL

@COURSE OFFERED IN SPRING

# INDICATES COURSES OFFERED IN SUMMER (SUBJECT TO CHANGE BASED ON DEPT. OFFERING)

SENIOR YEAR

FALL SEMESTER

*ME 315 (1)
PREREQUISITE
ME 311, ME 314 & ME 380

@ME 380/L (4)
PREREQUISITE
PHYS 182/L, MATH 283, ME 242, ME 311

@# CEE 307 (3)
PREREQUISITE
MATH 181 & 30+ CREDITS (SOPHOMORE STANDING)

ME 423/L (1)
PREREQUISITE: ME 337

ME ELECTIVE #5 (3)
NOTE: REFER TO APPROVED LIST

%ME ELECTIVE #2 (3)
NOTE: REFER TO APPROVED LIST

%ME ELECTIVE #3 (3)
NOTE: REFER TO APPROVED LIST

%ME ELECTIVE #4 (3)
NOTE: REFER TO APPROVED LIST

%ME ELECTIVE #5 (3)
NOTE: REFER TO APPROVED LIST

% ME ELECTIVE #6 (3)
NOTE: REFER TO APPROVED LIST

@#CONSTITUTIONAL REQUIREMENT SUGGESTED
@#PSC 101 (4) OR @#HIST 100 (4)

ME 314 (3)
PREREQUISITE
ME 311, PHYS 181/L OR PHYS 182/L & EE 292

%@ ME 498 (2)
PREREQUISITE
ME 497

%@ ME 497 (2)
COREQUISITE
SENIOR STANDING FINAL TWO SEMESTERS

@#ME 402 (3)
PREREQUISITE
ME 319/L & MATH 431