## BIOMEDICAL ENGINEERING - Sensors and Devices (128 Hours)

**Effective Fall 2019** (www.engg.ksu.edu/bme)

### NOTE: PREREQUISITES ARE SHOWN IN THE COURSE BLOCK.

a. Technical electives must be selected to complete one of the areas of emphasis. Technical electives must come from the approved BME Technical Electives List.

b. Humanities and Social Science (H&SS) electives must be selected from the list of courses approved by the College of Engineering.

Students should select these courses as needed to complete the requirements for the K-State 8 Gen Ed Pgm.

c. Students must follow the department C Prerequisite Course Policy.

<table>
<thead>
<tr>
<th>FRESHMAN</th>
<th>SOPHOMORE</th>
<th>JUNIOR</th>
<th>SENIOR</th>
</tr>
</thead>
</table>
| ENGL 100 (3)
Expo Writ I | ECON 110 (3)
Macroeconomics
(OR KIN 140, Public Health) | COMM 105 (2)
Public Speaking | ENGL 415 (3)
Writ Comm
PR: ENGL 100
(grade of A or B) |
| MATH 220 (4)
Anal Geo & Calc 1 | MATH 222 (4)
Anal Geo & Calc 2
PR: MATH 220 | STAT 510 (3)
Prob & Stat
PR: MATH 221 | H&SS (3)
| | | BME 490 (1)
BME Design Exp 1
PR: PHYS 214
PR: BME 200
CR: BIOL 340 | BME 590 (3)
Senior Design Exp 1
PR: ECE 511, ECE 525
PR: ECE 540
PR: ENGL 515 |
| | | | BME 591 (2)
Senior Design Exp 2
PR: ECE 590 |
| | ECON 110 (3)
Macroeconomics
(OR KIN 140, Public Health) | MATH 222 (4)
Anal Geo & Calc 3
PR: MATH 221 | BME 401 (0)
New Student Assem |
| | | | BME 575 (3)
Clinical Sys Engg
PR: ECE 540 |
| | | | BME 674 (3)
Medical Img |
| | | | | BME 590 (3)
Senior Design Exp 1
PR: ECE 511, ECE 525
PR: ECE 540
PR: ENGL 515 |
| | | | | BME 591 (2)
Senior Design Exp 2
PR: ECE 590 |
| | | | | BME 590 (3)
Senior Design Exp 1
PR: ECE 511, ECE 525
PR: ECE 540
PR: ENGL 515 |
| | | | | BME 591 (2)
Senior Design Exp 2
PR: ECE 590 |
| | | | | BME 590 (3)
Senior Design Exp 1
PR: ECE 511, ECE 525
PR: ECE 540
PR: ENGL 515 |
| | | | | BME 591 (2)
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PR: ECE 590 |
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PR: ECE 511, ECE 525
PR: ECE 540
PR: ENGL 515 |
| | | | | BME 591 (2)
Senior Design Exp 2
PR: ECE 590 |