### BIOMEDICAL ENGINEERING - Sensors and Devices (129 Hours)

**Effective Fall 2018 (revised 9/18/2023) (engg.us/bme)**

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

- Technical electives must be selected to complete one of the areas of emphasis. Technical electives must come from the approved BME Technical Electives List.
- 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.
- Students must follow the department C Prerequisite Course Policy.

#### Classes

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<tr>
<th>Advisor</th>
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<th>DOE</th>
<th>Class</th>
<th>Flowchart</th>
<th>Hours</th>
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<tr>
<th>FRESHMAN</th>
<th>SOPHOMORE</th>
<th>JUNIOR</th>
<th>SENIOR</th>
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| ENGL 100 (3) 
Exp Writ I | ECON 110 (3) 
Microeconomics | ENGL 415 (3) 
Writ Comm | BME 591 (3) 
Senior Design Exp 2 |
| | COMM 105 (2) 
Public Speaking | PR: ENGL 100 
(grade of A or B) | |
| MATH 220 (4) 
Calculus 1 | STAT 510 (3) 
Prob & Stat | BME 490 (1) 
BME Design Exp 1 | |
| | MATH 222 (4) 
Calculus 2 | PR: PHYS 214 | BME 491 (2) 
BME Design Exp 2 |
| | MATH 211 (5) 
Calc 2 | PR: MATH 220 | PR: BME 491 |
| | ECE 210 (3) 
Intro to EE | ECE 540 (3) 
Bioinst Thry & Lab | PR: MATH 220 |
| | CHM 210 (4) 
Chem 1 | ECE 540 (3) 
Bioinst Thry & Lab | |
| | CHM 230 (4) 
Chem 2 | ECE 512 (3) 
Linear Sys | |
| | ECE 241 (3) 
Intro to Comp Engg | ECE 540 (3) 
Bioinst Thry & Lab | |
| | CIS 200 (4) 
Prog Fund | ECE 512 (3) 
Linear Sys | |
| | BME 441 (4) 
Human Body 1 | BME 575 (3) 
Clinical Sys Engg | |
| | BME 442 (4) 
Human Body 2 | | |
| | | | |
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**Currently Enrolled**
- Passed
- Retaken
- Failed
- Warning