**OPTIONS FOR BIOMEDICAL ENGINEERING MAJOR PRESCRIBED ELECTIVES**

**(2019-2020)**

Students pursuing the general program take 6 semester credit hours using any other BMEN 3000 level or higher class. Students must document 6 semester credit hours of engineering content for these to count towards their degree.

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| **COURSE** | **PRE-REQUISITE(S)** |
| BMEN 3110  Biomedical Transport Processes Laboratory | RHET 1302  BMEN 3310 (Co-requisite) |
| BMEN 3310  Fluid Mechanics and Transport Processes in Biomedical Engineering | BMEN 1208 and ENGR 3300 |
| BMEN 3325  Advanced Computational Tools for Biomedical Engineering | BMEN 1208 |
| BMEN 3170  Digital Circuits Laboratory | BMEN 3370 |
| BMEN 3370  Digital Circuits | MATH 2420 and PHYS 2326/2126 |
| BMEN 3380  Medical Imaging Systems and Methods | EE 3302 |
| BMEN 4330  Advanced Engineering Physiology of the Human Body | BMEN 3330 |
| BMEN 4342  Introduction to Robotics | ENGR 2300, EE 3302, and BMEN 4310 |
| BMEN 4350  Applied Sensor Technology | BMEN 3320/3120 and BMEN 3330/3130 |