PRE-MED AS A BME UNDERGRADUATE

Biomedical Engineering makes a wonderful choice as a pre-med major for students with the necessary quantitative and problem solving abilities. The BSBME requirements at Wayne State meet a substantial portion of typical medical school admission requirements; however, additional courses must also be taken to complete your academic preparation.

The following describes how courses in the BME Program satisfy the standard medical school admission requirements, as well as which additional courses must be taken to satisfy the criteria. As some medical schools have additional requirements (e.g. biochemistry), students are encouraged to consult their anticipated target schools early in their undergraduate program to insure that all required courses can be integrated into their schedules.

<table>
<thead>
<tr>
<th>Med School Requirement</th>
<th>BME Curriculum Courses</th>
<th>Additional Courses</th>
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| Biology w/ Lab (2 semesters) | BIO 1510 w/ Lab  
BME 2005  
BME 5010 + 4010 |                         |
| Chemistry w/ Lab (4 semesters) | CHM 1225/1230  
CHM 1240/1250 | CHM 2220/2230  
CHM 2280/2290 |
| Physics w/ Lab (2 semesters) | PHY 2170 or PHY 2175  
PHY 2180 or PHY 2185 | PHY 2171 (Lab)  
PHY 2181 (Lab) |
| English (2 semesters) | ENG 1020  
ENG 3050  
ENG 3060 |                         |
| Mathematics           | MAT 2010 |                         |

The BME Program includes more than the minimum number of semesters required for biology, English, and mathematics. Some additional coursework must be taken in chemistry (2 courses + labs) and physics (labs). Students typically sit for the MCAT during the summer between their junior and senior years. In general, it is recommended that the required pre-med courses be completed in advance of taking the MCATs.

MCAT topics will be changing starting with the 2014 exam administration. If this impacts medical school admission requirements, or recommendations for MCAT preparation, the BME Department will make its best efforts to keep students informed. However, all pre-med students are encouraged to meet at least annually with the University Pre-Med Advisor to stay abreast of requirements.