

# 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.

Med School Requirement	BME Curriculum Courses	Additional Courses
Biology w/ Lab (2 semesters)	BIO 1510 w/ Lab (LS/LB, NSIL) BME 2010 BME 5010 + 4010	
Chemistry w/ Lab (4 semesters)	CHM 1225/1230 (PS/LB, NSIL) CHM 1240/1250	CHM 2220/2230 CHM 2280/2290 (can be taken after the MCAT) CHM 5600
Physics w/ Lab (2 semesters)	PHY 2170 or PHY 2175 (PS, NS) PHY 2180 or PHY 2185	PHY 2171 (Lab) PHY 2181 (Lab)
English (2 semesters)	ENG 1020 (BC) ENG 3050 (IC) ENG 3060 (OC)	
Mathematics	MAT 2010 (QE)	
Psychology		PSY 1010 or 1020
Sociology	SOC 1010 or 1020 (SS/SI)	

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 (3 courses + labs) and physics (labs). Students typically sit for the MCAT during the summer between their junior and senior years. It is recommended that the required pre-med courses be completed in advance of taking the MCAT.

The MCAT assesses student knowledge of the science and social science courses listed above. The BME department will make its best effort to keep students informed of any changes in the MCAT content and medical school admission requirements. However, all pre-med students are encouraged to meet regularly with the Pre-Med Advisors in the Pre-Med and Health Science Center <http://wayne.edu/advising/pre-health/>.