

Pre-Medicine Requirements

Often, Biological and Agricultural Engineering students seek to enter medical school with an emphasis in bioengineering, giving them the advantage of having a marketable engineering degree as well as academic training appropriate for modern medicine. To meet the requirements for admission to most medical schools, students must select some courses required for medical school admission from electives in the biological and agricultural engineering curriculum. It is also necessary to take additional course work above the requirements for the biological and agricultural engineering program. The undergraduate program is accredited by **ABET**.

Below is a table outlining the requirements of the pre-medicine program and which BAEN courses can be taken to meet the requirements.

The minimum prerequisite requirements for medical school are as follows and require a grade of "C" or better. Admission to medical school is extremely competitive. Schools will examine your grade point average for your overall science (Biology, Chemistry, Physics and Math BCPM), and overall course work.

	Pre-Medicine Requirement	BAEN Curriculum Additions/Substitutions
6 hrs	English	ENGL 104 and ENGL 210
3 hrs	Statistics	STAT 211 is required in BAEN curriculum
8 hrs	Biology (introductory)	BIOL 111 is required in BAEN (we will substitute for BIOL 113) and BIOL 112 in addition to BAEN curriculum
6 hrs	Biology (advanced)**	BAEN 302 and GENE 301/BICH 410 are required in the BAEN curriculum
8 hrs	Chemistry (inorganic)	CHEM 101/111 and CHEM 102/112 (only 4 hours of CHEM 102/112 count towards the BAEN curriculum)
8 hrs	Chemistry (organic)	CHEM 227 is required in BAEN curriculum (we will substitute for CHEM 222); CHEM 237 (lab), CHEM 228/238 in addition to BAEN curriculum
8/10 hrs	Physics with lab	PHYS 218/208 are required in BAEN curriculum; newer catalogs will require PHYS 206/216 and PHYS 207/217
3 hrs	Biochemistry**	BICH 410 in addition to BAEN curriculum (required only for certain medical schools in TX – contact the OPSA advisors for details)

** For schools that Biochemistry is not a prerequisite, Biochemistry 410 will fulfill one of the Upper Level Biology requirements (with the exception of UT-Southwestern).

Some out of state institutions and private Texas medical schools require additional courses. Please refer to their specific website for detailed information and contact them by email with any questions specific to their course requirements.