
Pre-medical Training:

Allopathic (awarding an M.D.) and osteopathic (awarding a D.O.) medical schools are very competitive, receiving far more applications each year than the limited number of available openings. Admission committees seek well rounded individuals with outstanding academic achievement at the undergraduate level. Ensuring these two qualities is vital if an applicant is to receive serious consideration for admission.

Pre-medical students should begin early seeking out opportunities to demonstrate a commitment to community service and to gain practical experience in the medical field. An example of the opportunities offered at Houghton College for students to gain such experiences in the context of elective coursework includes a semester long course in Medical Ethics (which offers a service learning experience in a health related venue).

The two academic benchmarks used by medical schools in screening applicants are the Medical School Application Test (MCAT) and college GPA. Strong performance in both of these is necessary in order to maximize one's chance of being accepted to medical school. Pre-medical students should expect to work diligently from the very beginning of their college experience in order to assure their best preparation for the MCAT. The MCAT is usually taken during the spring of the junior year to support an application for medical school matriculation in the fall following college graduation. Thus, those who intend to follow this timeline for application to medical school should complete the courses needed for MCAT preparation (one year of General Biology, one year of General Chemistry followed by one year of Organic Chemistry, one semester of Calculus followed by one year of Physics) by the end of their junior year. For specific course information please refer to the course descriptions in the appropriate departmental section of the catalog.

Dr. Jamie Potter, pre-medical advisor, can supply more information.

Pre-veterinary Medicine:

Houghton provides a broad, pre-professional education, while offering those courses specified by veterinary medical colleges for admission. Veterinary colleges stress the desirability of a well-rounded post-secondary education. They accept students without regard to their pre-professional major and sometimes after three years or 90 hours of credit. However, most applicants major in biology or chemistry and, on the average, have more than 100 hours of pre-professional training. Because there are relatively few veterinary colleges, the number of students accepted each year into veterinary curricula is small. Therefore, excellence of academic achievement and personal character, as well as familiarity with the profession, is necessary for admission. Contact Dr. Aaron Sullivan, pre-veterinary advisor, for further information.

Pre-Pharmacy D Program (with University of Buffalo)

Biology: BA (26 hours in major; 8 prerequisites; 8 co-requisites; plus prerequisites for admission to UB PharmD program)

Prerequisites (8):

BIOL 151, 152 General Biology 8

Required (26) which must include:

BIOL 217, 218 Human Anatomy and Physiology..... 8

BIOL 242 Microbiology 4

BIOL 251 Genetics 4

BIOL 482 Senior Capstone: Senior Seminar 2

BIOL XXX Electives 8 (to be met at UB)

Co-requisites (8):

CHEM 151, 152 General Chemistry..... 8

UB prerequisites for Admission to UB PharmD Program

CHEM 241, 242 Organic Chemistry I, II..... 8

CHEM 332 Biochemistry 4

MATH 182 Calculus II 4

PHYS 151 General Physics I 4

PSY 309 Statistics 4

Two writing courses required (one meets Integrative Studies)

One social behavioral science course (meets one Community IS requirement)

The PharmD program is a 3-year (Houghton) plus a 4-year (UB) program and acceptance to the University of Buffalo is not guaranteed.