Pre-Medical (Osteopathic and Allopathic)

The recommended curriculum below meets the required and recommended pre-requisites of most of the schools, as well as to prepare you for the Medical College Admission Test (MCAT). Additional courses are needed to meet requirements for the biology degree and for graduation.

**Biology**
- Biology 150 or 160 (General Biology)
- Biology 230 (General Zoology)
- Biology 240 (Cell Biology)
- Biology 324 (Microbiology)
- Biology 341 and 342 (Anatomy and Physiology I and II)
- Biology 350 (Genetics)

Keep in mind that additional biology courses are required for the Biology major.

**Chemistry**
- Chemistry 111 and 116, 112 and 116 (General Chemistry 1 and 2)
- Chemistry 231, 232 236, 237 (Organic Chemistry 1 and 2)
- OR Chemistry 130 and 233 (Introduction to and Foundations of Organic Chemistry)
- Chemistry 240 (Foundations of Inorganic Chemistry)
- Chemistry 360 (Biochemistry, 1 semester, 4 credits) OR Chemistry 361 and 362 (2 semesters, 6 credits)

**Physics**
- Physics 121 and 122, (2 semesters Algebra-Based Physics and Lab) OR
- Physics 131 and 132, (2 semesters Calculus-Based Physics and Lab)

**Math**
Most require or recommend Math through Math 149 (Pre-calculus), a very few require Math 166 (Calculus);
Statistics is required, Math 231

**Generals**
- Psychology 101 (General Psychology) is required for MCAT
- Sociology 100 (Introduction to Sociology) is required for MCAT
- Coms 101 (Speech)
- English 100 and 200 are usually required (2 writing classes).
- Most want to see humanities, upper level humanities, and social/behavioral sciences
- Philosophy 220 (Bioethics) strongly recommended

**Notes:**
Schools would like you to take more non-sciences, to broaden your perspective and interests. As a bio major you have already demonstrated your academic ability to do well in challenging science courses. Demonstrate that you are broadly educated.

A Doctor of Osteopathic Medicine (DO) and an Allopathic Medical Doctor (MD) are functionally equivalent: They can practice in the same fields and specialties at the same places. The difference is in the philosophy of patients as whole (DO) and patients as diseases (MD). After medical school, all residencies are open to MDs and DOs. They must also pass the similar licensing exams before treating people and prescribing medications. Attend seminars by pre-health society to learn more.

Before you apply, you will have to take (or at least set a date for) the Medical College Admission Test.

The Biology Department has an Early Provisional Acceptance Program with Lake Erie College of Osteopathic Medicine. See Dr Gerbec for more information.