The Department of Biological Sciences offers two degree programs for students who want to concentrate in Pre-Med, Biological Sciences or Microbiology. However, any bachelor’s degree can be obtained to enter medical school. The typical pre-requisite courses for medical school are 6 hours of English, 6 hours of math, 8 hours of general biology, 8 hours of inorganic chemistry, 8 hours of organic chemistry and 8 hours of physics.

These degree programs encompass all Medical School requirements with two exceptions:
1) For the Biological Sciences degree, pre-meds must take CH 4511 Organic Chemistry I lab, and CH 4521 Organic Chemistry II lab. The credit hours for lab can be used for life science electives.
2) For both degree programs, PH 1133 Physics III must be taken to satisfy UMMC’s requirements. The credit hours for this course can be used as a general elective.

The following are a list of courses recommended for Pre-Meds:

BIO 3033 Genetics I
BIO 3504 Comparative Anatomy
BCH 4113 Principles of Biochemistry
BIO 4503 Vertebrate Histology
BIO 4514 Animal Physiology

The MCAT is offered at Mississippi State University through the testing center and should be taken the spring semester of the junior year.

UMMC’s Medical School Selection Factors:
- MCAT scores (average MCAT score of accepted applicants is 27)
- G.P.A. (average gpa of accepted applicants is 3.8)
- BCPM (biology, chemistry, physics, math) G.P.A. (average is 3.7)
- Community Service
- Evaluation letters from faculty
- Interview

Medical Schools
University of Mississippi Medical Center in Jackson, MS
University of Alabama at Birmingham in Birmingham, AL
The University of Tennessee Health Sciences Center in Memphis, TN
Vanderbilt Medical Center in Nashville, TN

Student Organizations
AMSA (American Medical Student Organization)
AED (Alpha Epsilon Delta; pre-professional honor society)