

PRE-MEDICINE PROGRAM for B.S. Degree in Biology

Pre-professional requirements for admission to University of Nebraska Medical Center:
(<http://www.unmc.edu/dept/com/>)

- 8-10 hours of general biology or zoology with labs
- Genetics
- 8-10 hours of general chemistry with labs
- 8-10 hours of organic chemistry with labs
- Biochemistry
- 8-10 hours of physics with labs
- 12-16 hours humanities and/or social sciences
- 3 hours of English composition
- 3 hours of calculus or statistics
- 90 hour minimum in an accredited liberal art and sciences college is required; completion of an college major and undergraduate degree is strongly recommended
- MCAT - medical college aptitude test

UNMC states on their website that "In view of the rapidly broadening scope of medicine, courses in molecular biology, immunology and microbiology, though not required, are helpful in preparing for the basic science curriculum of medical school. Interpersonal communications, ethics, and personnel management are also good preparatory courses."

Other Medical schools may have different requirements. The NWU pre-health advisor, academic advisors, and the NWU Career Centers can aid in determining these requirements.

SUGGESTED SCHEDULE

FIRST YEAR

Fall	Spring
Bio 50 Biology of Plants or 4 hrs	Bio 50 Biology of Plants or 4 hrs
Bio 60 Biology of Animals Chem 51 Prin. of Chem. 4 hrs	Bio 60 Biology of Animals Chem 120 Organic & Biochem. 4 hrs
IDS 001 Liberal Arts Seminar 3 hrs	Area Req. or Math 60 or 105 3-4 hrs
Eng 001 Eng Lang & Writing or	Eng 001 Eng Lang & Writing or
Comm 001 Fund of Speech..... <u>3 hrs</u> 14 hrs	Comm 001 Fund of Speech <u>3 hrs</u> 14-15 hrs

SECOND YEAR

Bio 160 Cell Biology 4 hrs	Bio 170 Genetics 4 hrs
Chem 121 Organic Chem..... 4 hrs	Chem 122 Inorg. & Anal. Chem. 4 hrs
Comm 40 Interpersonnel Comm..... 3 hrs	BusAd 231 Human Res Management 3 hrs
Area Req. or Math 60 or 105 <u>5-7 hrs</u> 16-18 hrs	Area Req. or Math 60 or 105 <u>6 hrs</u> 17 hrs

THIRD YEAR

Bio 281/282 or Chem 255/258 Biochem 4 hrs	Bio 283 Mol Bio or 275 Immuno 3-4 hrs
Physics 101 4 hrs	Bio 200 Bioethics 2 hrs
Area Req. 3 hrs	Physics 102..... 4 hrs
Electives <u>6 hrs</u> 17 hrs	Area Req..... <u>7 hrs</u> 16-17 hrs

FOURTH YEAR

Bio 269 Microbiology 4 hrs	Bio 283 Mol Bio or 275 Immuno 3-4 hrs
Bio 298 or Bio 299 1-2 hrs	Bio elective 4 hrs
Electives 4-8 hrs	Bio 299 1 hr
Area Req. <u>3 hrs</u> 16-17 hrs	Area Req. or Electives <u>9 hrs</u> 17-18 hrs