

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

Pre-professional requirements for admission to University of Nebraska Medical Center: (doctoral program)

- 8 hours biology science with lab
- 8 hours general chemistry with lab
- 8 hours organic chemistry with lab
- 4-8 hours physics or quant. hem..
- 3 hours each of accounting and economics
- 3-5 hours calculus
- electives (to complete a min. of 90 semester hours)
- 3 hours statistics or biostatistics
- 3 hours psychology
- 3 hours sociology/gerontology / advanced psychology
- 6 hours English composition and/ or speech (at least 3 hours must be English composition)
- PCAT

Pre-professional requirement for admission to Creighton University: (doctoral program)

- 1 year biology with lecture/lab (NOT botany, ecology, entomology, or anatomy/physiology)
- 2 years chemistry with lecture/lab
- 2 semesters of English (including comp)
- 1 semester of calculus
- 1 semester of speech (communication)
- 1 semester of psychology
- 1 semester of economics
- electives (to complete a min. of 63 semester hrs.)
- PCAT

Applicants are strongly encouraged to take a balance of electives which is consistent with a liberal arts education, while pursuing depth of study as typically demonstrated by a discipline major. The preferred applicant will demonstrate an academic record that reflects a balance of course work in the humanities and the social and natural sciences.

Minimum grade point average (GPA) of 3.0 is required in overall coursework, and a minimum GPA of 3.0 in required coursework areas.

Other Pharmacy 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

Fall	FIRST YEAR	Spring
Bio 50 Biology of Plants	Bio 50 Biology of Plants	Bio 50 Biology of Plants
or	or	or
4 hrs	4 hrs	4 hrs
Bio 60 Biology of Animals	Bio 60 Biology of Animals	Bio 60 Biology of Animals
Chem 51 Prin. of Chem.	Chem 120 Organic & Biochem.	Chem 120 Organic & Biochem.
4 hrs	4 hrs	4 hrs
IDS 001 Liberal Arts Seminar	Area Req. or Math 60 or 105	Area Req. or Math 60 or 105
3 hrs	3-4 hrs	3-4 hrs
Eng 001 Eng Lang & Writing	Eng 001 Eng Lang & Writing	Eng 001 Eng Lang & Writing
or	or	or
Comm 001 Fund of Speech.....	Comm 001 Fund of Speech	Comm 001 Fund of Speech
<u>3 hrs</u>	<u>3 hrs</u>	<u>3 hrs</u>
14 hrs	14-15 hrs	14-15 hrs
SECOND YEAR		
Bio 160 Cell Biology	Bio 170 Genetics	Bio 170 Genetics
4 hrs	4 hrs	4 hrs
Chem 121 Organic Chem.....	Chem 122 Inorg. & Anal. Chem.	Chem 122 Inorg. & Anal. Chem.
4 hrs	4 hrs	4 hrs
Psych 1	Psych 2	Psych 2
3 hrs	3 hrs	3 hrs
Eng 101 Masterpieces of Literature	Area Req. or Math 60 or 105	Area Req. or Math 60 or 105
3 hrs	<u>3-4 hrs</u>	<u>3-4 hrs</u>
Area Req.	14-15 hrs	14-15 hrs
<u>2 hrs</u>		
16 hrs		
THIRD YEAR		
Bio 246 Comp & Human Anatomy	Bio 262 Comp & Human Physiology	Bio 262 Comp & Human Physiology
4 hrs	4 hrs	4 hrs
Physics 101 or 111	Elective.....	Elective.....
4 hrs	3 hrs	3 hrs
Psych 231 Abnormal Psych	Physics 102 or 112	Physics 102 or 112
3 hrs	4 hrs	4 hrs
Area Req.(microeconomics for Creighton).....	Area Req.....	Area Req.....
<u>6 hrs</u>	<u>6 hrs</u>	<u>6 hrs</u>
17 hrs	17 hrs	17 hrs
FOURTH YEAR		
Biology Elective.....	Biology Elective	Biology Elective
4-8 hrs	6 hrs	6 hrs
Bio 298 or Bio 299	Bio 299	Bio 299
1 hr	1 hr	1 hr
Electives	Area Req. or Electives	Area Req. or Electives
4-8 hrs	<u>10 hrs</u>	<u>10 hrs</u>
Area Req.	17 hrs	17 hrs
<u>3 hrs</u>		
16-17 hrs		