

**PRE-PHYSICIAN ASSISTANT PROGRAM  
for B.S. Degree in Biology**

Pre-professional requirements for admission to University of Nebraska Medical Center:

- 16 hours in human physiology, human anatomy, and microbiology; immunology is strongly recommended
- 16 hours in chemistry with lecture/lab, including general or inorganic chemistry, organic chemistry, and biochemistry
- 9 hours in psychology to include abnormal psychology; developmental (life span) psychology is recommended
- 3 hours of statistics; algebra is strongly recommended
- 6 hours in writing or English composition; an additional writing or English composition course is strongly recommended
- electives (to complete the 90 semester hour minimum)
- undergraduate degree is strongly encouraged
- GRE - Graduate Record Examination is required

Minimum grade point average (GPA) of 2.8 is required. Students should choose elective hours from the sciences, social sciences and humanities. Additional Courses in chemistry, biology, mathematics, and psychology beyond the required minimums should also be considered.

Other Physician Assistant 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**

<b>Fall</b>		<b>Spring</b>	
Bio 50 Biology of Plants		Bio 50 Biology of Plants	
<b>or</b> .....	4 hrs	<b>or</b> .....	4 hrs
Bio 60 Biology of Animals		Bio 60 Biology of Animals	
Chem 51 Prin. of Chem. ....	4 hrs	Chem 120 Organic & Biochem. ....	4 hrs
IDS 001 Liberal Arts Seminar .....	3 hrs	Area Req. or Electives .....	3 hrs
Eng 001 Eng Lang & Writing		Eng 001 Eng Lang & Writing	
<b>or</b>		<b>or</b>	
Comm 001 Fund of Speech.....	<u>3 hrs</u>	Comm 001 Fund of Speech .....	<u>3 hrs</u>
	14 hrs		14 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
Psych 1 .....	3 hrs	Psych 2 .....	3 hrs
Eng 101 Masterpieces of Literature .....	3 hrs	Area Req. <b>or</b> Math 60 or 105 .....	<u>3-4 hrs</u>
Area Req. ....	<u>2 hrs</u>		14-15 hrs
	16 hrs		

**THIRD YEAR**

Bio 281/282 or Chem 255/258 Biochem .....	4 hrs	Bio 262 Comp & Human Physiology .....	4 hrs
Physics 101 or 111 .....	4 hrs	Physics 102 or 112 .....	4 hrs
Psych 135 Lifespan Development .....	3 hrs	Psych 231 Abnormal Psych.....	3 hrs
Eng 110 Adv Composition.....	3 hrs	Area Req.....	<u>6 hrs</u>
Area Req. ....	<u>3 hrs</u>		17 hrs
	17 hrs		

**FOURTH YEAR**

Bio 246 Comp & Human Anatomy .....	4-8 hrs	Bio 275 Immunology .....	4 hrs
Bio 298 <b>or</b> Bio 299 .....	1-2 hrs	Bio 299 .....	1 hr
Bio 269 Microbiology .....	4-8 hrs	Area Req. or Electives .....	<u>12 hrs</u>
Area Req. or Psych 110 Psych Stats .....	<u>3 hrs</u>		17 hrs
	16-17 hrs		

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### SUGGESTED SCHEDULE

#### FIRST YEAR

Fall	Spring
Bio 50 Biology of Plants <b>or</b> ..... 4 hrs	Bio 50 Biology of Plants <b>or</b> ..... 4 hrs
Bio 60 Biology of Animals	Bio 60 Biology of Animals
Chem 51 Prin. of Chem..... 4 hrs	Chem 120 Organic & Biochem..... 4 hrs
IDS 001 Liberal Arts Seminar ..... 3 hrs	Area Req. or Electives . ..... 3 hrs
Eng 001 Eng Lang & Writing <b>or</b>	Eng 001 Eng Lang & Writing <b>or</b>
Comm 001 Fund of Speech..... <u>3 hrs</u>	Comm 001 Fund of Speech..... <u>3 hrs</u>
14 hrs	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
Psych 1 ..... 3 hrs	Psych 2 ..... 3 hrs
Eng 101 Masterpieces of Literature ..... 3 hrs	Bio 291 Directed Readings ..... 1 hr
Area Req. .... <u>2 hrs</u>	Area Req. <b>or</b> Math 60 or 105 ..... <u>3-4 hrs</u>
16 hrs	14-15 hrs

#### THIRD YEAR

Bio 281/282 or Chem 255/258 Biochem .... 4 hrs	Bio 262 Comp & Human Physiology ..... 4 hrs
Psych 135 Lifespan Development..... 3 hrs	Bio 291 Directed Readings ..... 1 hr
Eng 110 Adv Compostion ..... 3 hrs	Psych 231 Abnormal Psych ..... 3 hrs
Area Req. or Electives ..... <u>7 hrs</u>	Psych 110 Psych Stats..... 4 hrs
17 hrs	Area Req. or Electives ..... <u>5 hrs</u>
	17 hrs

#### FOURTH YEAR

Bio 246 Comp & Human Anatomy ..... 4-8 hrs	Bio 275 Immunology ..... 4 hrs
Bio 298 <b>or</b> Bio 299 ..... 1-2 hrs	Bio 299 ..... 1 hr
Bio 269 Microbiology ..... 4-8 hrs	Area Req. or Electives ..... <u>12 hrs</u>
Area Req. .... <u>3-4 hrs</u>	17 hrs
16-17 hrs	

**Physician Assistant Schools Requirements for Admission:**  
(Association of Physician Assistant Programs 1995 Directory)

**University of Osteopathic Medicine and Health Sciences (Des Moines):**

Bachelor's degree, minimum 2.8 GPA, 60 semester hours, including biology (16 hours including Human Anatomy and Physiology, Microbiology, and genetics, all with labs), general/inorganic, organic, and biochemistry (16 hours), English composition (6 hours), psychology including abnormal psych. (9 hours), statistics, medical terminology, and patient care experience (750 clock hours). GRE Required.

**The University of Iowa:**

Bachelor's degree, minimum 3.0 GPA, and Graduate Record Exam. Science course requirements: inorganic, organic and introductory biochemistry (a combined course in organic/biochemistry will not satisfy the biochemistry requirement); general or introductory animal biology/zoology (one must include human/animal/exercise physiology); general statistics; and six months of research and/or health experience. The health experience may be full-time or part-time, paid or volunteer.

**Wichita State University:**

Bachelor's degree, general biology: zoology, botany, or cell bio (4 hours), microbiology (4 hours), human anatomy and physiology (5 hours), general and inorganic chemistry (10 hours), statistics (3 hours). 3 upper division level courses in biology or zoology (histo, endo, genetics, and microbiology strongly recommended). Molecular biology, cell biology, embryology. Experience in patient care desirable. Overall and prerequisite GPA of 3.0 for candidates from Kansas and states without a PA program and 3.25 for candidates from states that have a PA program.

**Saint Louis University School of Allied Health Professions:**

Baccalaureate degree, 3.0 GPA, courses including chemistry (8 hours), organic chemistry (8 hours), physiology/anatomy and physiology (4 to 6 hours), microbiology (3 to 4 hours), biology/life science electives (3 to 4 hours), molecular biology, genetics or upper-level biochemistry (3 to 4 hours), statistics (3 hours). Health care experience preferred.

**University of Nebraska Medical Center:**

90 semester hours, including 16 biology (physiology, anatomy and microbiology), 16 chemistry (general or inorganic, organic and biochemistry), 9 psychology (abnormal), 6 English (composition), 3 math (statistics). Algebra strongly recommended. Minimum GPA of 2.5.

**Union College**

Minimum GPA 2.67 and Baccalaureate degree, 3 hours general biology, microbiology, mammalian physiology, general and organic chemistry, biochemistry, medical terminology, statistics, developmental and abnormal psychology, CPR certification, 3 months (480 hours) work. Experience related to direct patient care with PA exposure highly recommended.