PRE-PHARMACY

Undergraduate Credit Required: 64 hours (UNMC) or 63 hours (Creighton) or Bachelor’s degree (preferred)

Entrance Exam: PCAT

Professional Schooling Required: 4 years of professional school; Pharm D. – Doctorate of Pharmacy

Local Professional Schools: UNMC; Creighton University

Professional Organization Website: aacp.org (American Association of Colleges of Pharmacy)

REQUIRED AND RECOMMENDED COURSES FOR CURRENTLY ENROLLED UNL UNDERGRADUATE STUDENTS PLANNING TO ATTEND UNMC & CREIGHTON UNIVERSITY

Students who are considering pharmacy schools outside of Nebraska are encouraged to contact those schools directly for a list of entrance requirements.

Grades: For both Creighton and UNMC, grades below C are not accepted for prerequisite requirements.

AP/CLEP credit: Both Creighton and UNMC will accept AP credit toward prerequisite requirements if listed on a transcript from the undergraduate institution.

REQUIRED COURSES

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<th>Course</th>
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<th>Hours</th>
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<tr>
<td></td>
<td>Chemistry w/ lab—1 sequence (UNMC &amp; Creighton) CHEM 109 and 110 or 113 and 114/221</td>
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<td>Organic Chemistry w/ lab—1 sequence (UNMC &amp; Creighton) CHEM 251/253 and 252/254 or 261/263 and 262/264</td>
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<td>Biochemistry—1 course (UNMC only) BIOC 431</td>
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<td>Quantitative Chemical Analysis or Physics—2 courses (UNMC only) Option 1 (two courses): CHEM 221 &amp; Physics I (PHYS 141 or PHYS 211/221)* Option 2 (two courses): Physics I (PHYS 141 or PHYS 211/221)* &amp; Physics II (PHYS 142 or 212/222)* *UNMC prefers the 2xx-level physics</td>
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<td>Anatomy—1 course (UNMC &amp; Creighton) BIOS 214 (Anatomy is not accepted at UNMC if taken from a community college)</td>
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<td>Physiology—1 course (UNMC only) BIOS 213/213L (Physiology is not accepted if taken at a community college)</td>
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<td>English Composition—2 courses (UNMC &amp; Creighton) ENGL 101, 150, 151, 254, or 354</td>
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<td>Speech—1 course (UNMC &amp; Creighton) COMM 101, 109, 209, or 286</td>
<td>COMM</td>
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<td>Calculus—1 or 2 courses (UNMC &amp; Creighton) MATH 106 and MATH 107 (if taking the 2xx PHYS sequence)</td>
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<td>Statistics or Biostatistics—1 course (UNMC only) STAT 218, STAT 380, EDPS 459, ECON 215, or PSYC 350</td>
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<td>Economics—1 course (Creighton only) ECON 200, 211, or 212</td>
<td>ECON</td>
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Biology w/ lab—1 (UNMC) or 2 (Creighton) courses
LIFE 120/120L, LIFE 121/121L*
BIOS 101/101L OK if taken prior to fall 2013

Psychology—1 course (Creighton only)
PSYC 181

Anatomy—1 course (UNMC & Creighton)
BIOS 214
(Anatomy is not accepted at UNMC if taken from a community college)

Physiology—1 course (UNMC only)
BIOS 213/213L
(Physiology is not accepted if taken at a community college)

English Composition—2 courses (UNMC & Creighton)
ENGL 101, 150, 151, 254, or 354

Speech—1 course (UNMC & Creighton)
COMM 101, 109, 209, or 286

Calculus—1 or 2 courses (UNMC & Creighton)
MATH 106 and MATH 107 (if taking the 2xx PHYS sequence)

Statistics or Biostatistics—1 course (UNMC only)
STAT 218, STAT 380, EDPS 459, ECON 215, or PSYC 350

Economics—1 course (Creighton only)
ECON 200, 211, or 212

*UNMC prefers the 2xx-level physics

**Anatomy is not accepted at UNMC if taken from a community college

**Physiology is not accepted if taken at a community college

**ENGL 101, 150, 151, 254, or 354

**Speech—1 course (UNMC & Creighton)
COMM 101, 109, 209, or 286

**Calculus—1 or 2 courses (UNMC & Creighton)
MATH 106 and MATH 107 (if taking the 2xx PHYS sequence)

**Statistics or Biostatistics—1 course (UNMC only)
STAT 218, STAT 380, EDPS 459, ECON 215, or PSYC 350

**Economics—1 course (Creighton only)
ECON 200, 211, or 212
NOTE: UNMC requires min. 9 semester hours of general education electives from the academic areas listed below. Creighton requires 9 semester hours in the humanities or behavioral or social sciences and 9 hours of electives. Choose classes from at least two areas in these suggested subjects:

| Accounting | History | Logic |
| Biochemistry | Economics | Philosophy |
| Business Admin. | Education | Political Science |
| Chemistry | Ethics | Sociology |
| Critical Thinking | Fine Arts | |
| Gerontology | Foreign Language | |
| Critical Thinking | Literature | |

SUGGESTED ELECTIVES
BIOS 206: General Genetics
BIOS 303: Molecular Biology
BIOS 312: Microbiology
BIOS 314: Microbiology Laboratory
BIOS 443: Immunology

APPLICATION AND ADMISSION

1. Application: Application to Creighton, UNMC and many other pharmacy schools is made through PharmCAS. This standardized application permits a student to apply to multiple pharmacy schools and colleges with one application and distribution of transcripts. The web-based application will include the applicant’s personal statement, course summary, and listing of extracurricular activities. PharmCAS.org has information on which schools participate in PharmCAS.

2. Entrance exam: The Pharmacy College Admissions Test (PCAT) is required. The PCAT is a specialized exam that helps identify qualified pharmacy school applicants by measuring their general academic ability and scientific knowledge determined necessary for a pharmacy education. The exam is divided into the following sections: Writing, Verbal Ability, Quantitative Ability, Biology, Chemistry, and Reading Comprehension. Registration booklets are available at the PCAT web site: pcatweb.info. Check with a pre-professional adviser for information on the best time to take the exam.

3. Additional application information: Supplemental (secondary) applications may also be required.

**Take the PCAT 12-15 months before you intend to start Pharmacy school**

SEE YOUR EXPLORE CENTER ADVISER FOR AN INDIVIDUALIZED 4-YEAR OR ACCELERATED PRE-PHARMACY PLAN.

| Semester 1 | Semester 2 |
| Chemistry I with lab | Chemistry II with lab |
| Calculus I | Calculus II (if needed) |
| Biology I with lab | Biology I with lab |

| Semester 3 | Semester 4 |
| Organic Chemistry I with lab | Organic Chemistry II with lab |
| Biology II with lab | |

| Semester 5 | Semester 6 |
| BIOS 43T | Statistics |
| CHEM 221 or Physics I | BIOS 213/213L |
| | Physics I or Physics II |

Suggested Courses for the PCAT
LIFE 120/120L
LIFE 121/121L
BIOS 213/213L
BIOC 431
CHEM 109 and 110 or CHEM 113 and 114/221
CHEM 251/253 and 252/254 or CHEM 261/263 and 262/264
Calculus
English Composition for Writing Section

Note: Physics is not tested on the PCAT. You cannot have too much Biology and Chemistry in preparation for the PCAT.

For more information, visit pcatweb.info

Additional Resources
Creighton University School of Pharmacy and Health Professions
Omaha, NE
402-280-2662 or 1-800-325-2830, ext. 1
phaadmis@creighton.edu
spahp.creighton.edu/admission

University of Nebraska College of Pharmacy
Omaha, NE
402-559-4333
copadmin@unmc.edu
unmc.edu/pharmacy

Explore Health Careers
explorehealthcareers.org

Pharmacy Schools and Prerequisites
aacp.org/resources/student/pharmacyforyou/admissions

January 2016