

PRE-PHARMACY

Undergraduate Credit Required	60 hours (UNMC) or 63 hours (Creighton) or Bachelor's degree
Entrance Exam	PCAT (some schools); recommended for UNMC; optional for Creighton
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

The following coursework recommendations fulfill the entrance requirements for pharmacy programs at Creighton University and UNMC. Students who are considering other pharmacy schools 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

Chemistry with labs – 1 sequence (UNMC & Creighton)		
CHEM 109A/109L and 110A/110L or 113A/113L, 114, and 221		
Course	Term	Grade
CHEM		
CHEM		
Organic Chemistry with labs – 1 sequence (UNMC & Creighton)		
CHEM 251/253 and 252/254 or 261/263 and 262/264		
Course	Term	Grade
CHEM		
CHEM		
Quantitative Chemical Analysis or Physics – 1 course (UNMC only)		
CHEM 221 or Physics I (PHYS 141 or PHYS 211/221) *UNMC prefers 200-level physics		
Course	Term	Grade
Biology with labs – 1 (UNMC) or 2 (Creighton) courses		
UNMC: BIOS 101/101L, BIOS 110/110L or LIFE 120/120L, LIFE 121/121L Creighton: LIFE 120/120L, LIFE 121/121L or BIOS 111		
Course	Term	Grade
Physiology – 1 course (UNMC only)		
BIOS 213/213L (For UNMC, students are encouraged to take Physiology from a 4 year college or University)		
Course	Term	Grade
BIOS 213/213L		

Anatomy – 1 course (UNMC & Creighton)		
BIOS 214 (For, UNMC, students are encouraged to take Anatomy from a 4 year college or University)		
Course	Term	Grade
BIOS 214		
Psychology – 1 course (Creighton only)		
PSYC 181		
Course	Term	Grade
PSYC 181		
English Composition – 2 courses (Creighton only)		
ENGL 150, 151, 254, 354		
Course	Term	Grade
ENGL		
ENGL		
Speech – 1 course (Creighton only)		
COMM 101, 209, or 286		
Course	Term	Grade
COMM		
Calculus – 1 course (UNMC & Creighton)		
MATH 106		
Course	Term	Grade
MATH 106		
Statistics or Biostatistics – 1 course (UNMC only)		
STAT 218, STAT 380, EDPS 459, ECON 215, or PSYC 350		
Course	Term	Grade
Economics – 1 course (Creighton only)		
ECON 200, 211, or 212		
Course	Term	Grade
ECON		

General Education – 18-21 hours (UNMC & Creighton)

NOTE: UNMC requires minimum 21 semester hours of general education electives, with suggested areas listed below. Creighton requires 9 semester hours in the humanities or behavior or social sciences and 9 hours of electives. Choose classes from at least two areas in these suggested subjects:

Accounting	Economics	Logic
Business Admin	Education	Management
Critical Thinking	Ethics	Philosophy
Gerontology	Fine Arts	Political Science
History	Foreign Language	Sociology
Humanities	Literature	

SUGGESTED ELECTIVES

- **General Genetics:** BIOS 206
- **Calculus II:** MATH 107
- **Molecular Biology:** BIOS 303
- **Microbiology with lab:** BIOS 312/314
- **Immunology:** BIOS 443

APPLICATION AND ADMISSION

- Application: Applications to Creighton, UNMC, and many other pharmacy schools is made through PharmCAS. PharmCAS.org has information on which schools participate in PharmCAS.
- Entrance Exam: The Pharmacy College Admission Test (PCAT) is required by some schools. 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. Registration information is available at the PCAT web site: <https://www.pearsonassessments.com/graduate-admissions/pcat/about.html>. Check with a pre-health advisor for information on the best time to take the exam.
- Additional application information: Letters of recommendation and a supplemental (secondary) applications may also be required.

Recommended Courses for PCAT

LIFE 120/120L
LIFE 121/121L
BIOS 213/213L
BIOC 431
CHEM 109A and 110A or CHEM 113A and 114
CHEM 251 and 252 or CHEM 261 and 262
Calculus
Statistics
English Composition for Writing Section

Note: Physics is not tested on the PCAT. Science courses above and beyond the courses listed will be of benefit for PCAT performance.

For more information, visit pcatweb.info

Updated May 2022

EXAMPLE

4-year sequence of science and math courses*

Semester 1 Chemistry I with lab Calculus I	Semester 2 Chemistry II with lab Biological Sciences I with lab
Semester 3 Organic Chemistry I with lab Biological Sciences II with lab	Semester 4 Organic Chemistry II with lab
Semester 5 CHEM 221 or Physics I	Semester 6 Statistics BIOS 213/213L
**Take the PCAT 12-15 months before you intend to start Pharmacy school.	
Semester 7 Suggested Elective	Semester 8 BIOS 214 Suggested Elective

See your Explore Center advisor for an individualized 4-year or accelerated pre-pharmacy plan.

*Sequence may vary from above depending on declared major requirements

Additional Resources

Explore Health Careers: explorehealthcareers.org

Creighton University School of Pharmacy and Health Professions

Omaha, NE
402-280-2662 or 1-800-325-2830, ext. 1
phaadmin@creighton.edu
spahp.creighton.edu/admission

University of Nebraska College of Pharmacy

Omaha, NE
402-559-4333
copadmin@unmc.edu
unmc.edu/pharmacy

Pharmacy Schools and Prerequisites

<https://www.pharmcas.org/school-directory/pharmd-directory>

