

PHARMACIST

Pharmacists distribute drugs prescribed by health care practitioners and they advise patients on how to properly use these medications. They are educated in all realms of medications including synergy, reactivity, and bioavailability. With this knowledge, they advise physicians on the selection, dosage, interaction, and side effects of medications.

CAREER DESCRIPTION*

- » National average salary: \$128,710
- » Many work in either hospitals or pharmacies
- » Skilled on the biochemical mechanisms and actions of drugs
- » Some pharmacists own their own pharmacies
- » Fill prescriptions, verify instructions and interactions with other medications, inform of side effects, etc.

TYPICAL EDUCATION**

- » Years of school (excluding undergraduate): 4
- » Bachelor's Degree recommended, not required
- » Approximate cost (excluding undergraduate): \$88,346
- » UNMC Average entering GPA: 3.6

NEARBY SCHOOLS

- » University of Nebraska Medical Center School of Pharmacy
- » Creighton University Medical Center School of Pharmacy
- » University of Kansas School of Pharmacy
- » St. Louis College of Pharmacy

COMPETITIVE APPLICANTS ALWAYS...

- » Maintain a highly competitive GPA
- » Shadow professionals in the field
- » Volunteer or work in the environment before applying

AREAS OF SPECIALTY

- » Community pharmacists
- » Clinical pharmacists
- » Consultant pharmacists
- » Pharmaceutical industry pharmacists
- » Many more!

*Data and information from Bureau of Labor Statistics.

**Data and information from UNMC.

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WHAT PRACTICING PROFESSIONALS SAY



There's an opportunity for the pharmacist to play a much greater role in healthcare, especially with what we have going on in this country with the shortage of primary care physicians".

-Gregory Watson



Pharmacy is exciting to me because there is, and will always be, so much to learn. I also have the opportunity to precept pharmacy students and develop my teaching skills. I am able to continue the reading and learning that gave me so much joy in my youth, and now, as a pharmacist, I can use what I am learning to positively impact the lives of my patients."

-Dr. Bryan Mayfield, PharmD.

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Click links for requirements from the schools listed below:

University of Nebraska Medical Center	Creighton University Medical Center
University of Kansas	St. Louis College of Pharmacy

Prerequisites vary by program. Students are responsible for ensuring all entrance requirements are met.

UNMC Prerequisites

Semesters Offered: S=Spring, F=Fall, M=Summer

Biological Sciences (minimum credits: 12)			
Courses	Credits	Semester	Prerequisites
BIOL 1450 – Biology I	5	S, F, M	High school Biology and Chemistry
BIOL 2740 – Human Physiology & Anatomy I	4	F, M	High school Biology and Chemistry
BIOL 2840 – Human Physiology & Anatomy II	4	S, M	BIOL 2740

Chemical and Physical Sciences (minimum credits: 20)			
CHEM 1180 & 1184 – General Chemistry I & Lab	4	S, F, M	MATH 1320 or CHEM 1140 & 1144
CHEM 1190 & 1194 – General Chemistry II & Lab	4	S, F, M	CHEM 1180 & 1184 & MATH 1320
CHEM 2250 – Organic Chemistry I	3	S, F, M	CHEM 1190 & 1194
CHEM 2260 & 2274 – Organic Chemistry II & Lab	5	S, F	CHEM 2250
Additional Chemical and Physical Sciences – One of the Following:			
CHEM 2400 & 2404 – Quantitative Analysis & Lab	4	F	CHEM 1190 & 1194
PHYS 1110/2110 & 1154 – General Physics I & Lab	5	S, F, M	MATH 1220 or 1310/ MATH 1950
PHYS 1050 + 1054- Intro to Physics w/ lab	5	S, F	HS Algebra or equivalent

Mathematics and Statistics (minimum credits: 7)			
MATH 1950 – Calculus I -OR- MATH 1940 – Calculus for Biomedicine	5	S, F, M F	MATH 1320 & 1330 or 1340 MATH 1320
Choose one of the following:			
PSYC 3130 – Statistics for Behavioral Sciences	3	S, F, M	MATH 1120, 1220, 1310 or 1530
SOC 2130 – Social Statistics	3	S, F, M	MATH 1120, 1130, 1220, 1310 or 1530
STAT 3000 – Statistical Methods I	3	S, F, M	MATH 1220 or 1310
BIOL 4110—Statistics for Biology	4	F	BIOL 1450 and BIOL 1750 and MATH 1220, 1130 or 1530

Additional statistics courses are also permissible

General Education (minimum credits: 21)			
May include additional courses in: Accounting, Business, Critical Thinking, Economics, Education, Ethics, Fine Arts, Foreign Languages, Gerontology, History, Humanities, Literature, Philosophy, Political Science, Psychology, Sociology, English Composition, and/ or Public Speaking			

It is strongly recommended that students consider the following courses while choosing their general education electives:

CHEM 4610 – Biochemistry of the Metabolism	4	S	CHEM 2260 & 2274
CHEM 4650 & 4654 – Biochemistry I & Lab	4	F	CHEM 2260 & 2274 & BIOL 3020
CHEM 4660 & 4664 – Biochemistry II & Lab	4	S	CHEM 4650 & 4654 or BIOL 4650 & 4654
CMST 1110- Public Speaking Fundamentals	3	S, F, M	
ENGL 1150 or 1154- English Composition I	3	S, F, M	ENGL 1050 or 1100
ENGL 1160 or 1164- English Composition II	3	S, F, M	ENGL 1150 or 1154
ENGL 4970- Writing About Sickness & Health	3	S	ENGL 1160 or 1164