

# **PHARMACY -- Doctor of Pharmacy (Pharm.D.)**

## **RECOMMENDATIONS ONLY**

Schools Referenced	Creighton University--Omaha, NE University of Iowa--Iowa City, IA University of Minnesota--Minneapolis, MN Drake University--Des Moines, IA
Notes	<ul style="list-style-type: none"><li>➤ A minimum of 2 years (60 or more hours) required for admission.</li><li>➤ A minimum GPA of 2.5 up to a 3.0 is required to apply.</li><li>➤ Pharmacy College Application Service (PharmCAS), <a href="http://www.pharmcas.org">www.pharmcas.org</a></li><li>➤ Pharmacy College Admission Test (PCAT), <a href="http://www.pcatweb.info/">www.pcatweb.info/</a>; Testing occurs in January, July or September</li><li>➤ PharmCAS will factor in (average) all grades for repeated coursework</li></ul>
Biology	____ General Biology: Organismal Diversity--BIOL2051 ____ General Biology: Cell Structure and Function--BIOL2052 ____ Anatomy & Physiology I--BIOL3101 ____ Anatomy & Physiology II--BIOL3102 ____ General Microbiology—BIOL3151
Chemistry	____ General Chemistry I--CHEM1110 ____ General Chemistry II--CHEM1120 ____ Organic Chemistry I--CHEM2210 ____ Organic Chemistry II--CHEM2220 ____ Organic Chemistry Lab--CHEM2230 ____ Biochemistry I—CHEM4510
Physics	____ General Physics I--PHYSICS1511
Psychology	____ Introduction to Psychology—PSYCH1001
Mathematics	____ Calculus I--MATH1420 ____ Statistics—STAT1772 or Biostatistics—BIOL4157
Economics	____ Principles of Microeconomics--ECON1051
Suggested Electives	____ Genetics—BIOL3140 ____ Cell Biology—BIOL4128 ____ Immunology—BIOL4150 ____ Biochemistry II –CHEM4520 ____ Neurobiology – BIOL4116 ____ Biopsychology – PSYCH2101 ____ Drugs and Individual Behavior – PSYCH3102 ____ Intro to Neurology – PSYCH3104
Experiential Component	Working as a pharmacy tech, shadowing a variety of pharmacists, science research and participating in service and leadership organizations strengthens applications.

# Pharmacist

<http://www.iowahealthcareers.com/careers/pharmacist/>

Pharmacists dispense the medicine prescribed by doctors and other authorized health professionals. Over-the-counter drugs are already packaged, but prescriptions have to be measured, bottled and sometimes mixed from medicinal compounds.

Pharmacists are experts in the use, composition and effects of medications, as well as the laws that regulate the manufacture and sale of drugs. They review medications for possible reactions to patients' other prescriptions, foods and diseases to reduce the chances of side effects.

Pharmacists play a vital role in patient education by ensuring people understand how to take their prescription and any possible side effects that may result. Working in a pharmacy requires great attention to detail so that prescriptions are filled correctly and accurate records are kept.

Pharmacists have a lot of flexibility in their job. About 20% work part-time. Full-time pharmacists work between 40 and 50 hours a week, with nights and weekends possible in pharmacies with extended hours.

Average Starting Salary: \$94,000

## Practice Areas in Pharmacy

<https://pharmacy.osu.edu/forms/outreach/intro-to-pharmacy/PfizerPharmacyCareerGuide.pdf>

1. Academic Pharmacist
2. Chain Drug Store Pharmacist
3. Community Pharmacist
4. Compounding Pharmacist
5. Critical Care Pharmacist
6. Drug Information Specialist
7. Home Care Pharmacist
8. Hospice Pharmacist
9. Hospital Staff Pharmacist
10. Industry-Based Pharmacist
11. Infectious Disease Pharmacist
12. Long-term Care Pharmacist
13. Managed Care Pharmacist
14. Military Pharmacist
15. Nuclear Pharmacist
16. Nutrition Support Pharmacist
17. Oncology Pharmacist
18. Operating Room Pharmacist
19. Pediatric Pharmacist
20. The Pharmacist in a Grocery Chain
21. Pharmacists in Non-traditional Settings
22. Pharmacy Benefit Manager
23. Poison Control Pharmacist
24. Primary Care Pharmacist
25. Psychiatric Pharmacist
26. Public Health Service Pharmacist
27. Regulatory Pharmacist
28. Veterinary Pharmacist