| Schools Referenced | Creighton University--Omaha, NE  
University of Iowa--Iowa City, IA  
University of Minnesota--Minneapolis, MN  
Drake University--Des Moines, IA |
|-------------------|--------------------------------------------------------------------------------|
| Notes             | ➢ A minimum of 2 years (60 or more hours) required for admission.  
➢ A minimum GPA of 2.5 up to a 3.0 is required to apply.  
➢ Pharmacy College Application Service (PharmCAS), www.pharmcas.org  
➢ Pharmacy College Admission Test (PCAT), www.pcatweb.info/; Testing occurs in January, July or September  
➢ PharmCAS will factor in (average) all grades for repeated coursework |
| 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

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](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
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

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