

PRE-PHARMACY

Doctor of Pharmacy (Pharm.D.)

***RECOMMENDATIONS ONLY**

Biology	☐ BIOL 2051 - General Biology: Organismal Diversity ☐ BIOL 2052 - General Biology: Cell Structure and Function ☐ BIOL 3101 - Anatomy & Physiology I ☐ BIOL 3102 - Anatomy & Physiology II ☐ BIOL 3151 - Microbiology
Chemistry	☐ CHEM 1110 - General Chemistry I ☐ CHEM 1120 - General Chemistry II ☐ CHEM 2210 - Organic Chemistry I ☐ CHEM 2220 - Organic Chemistry II ☐ CHEM 2230 - Organic Chemistry Lab ☐ CHEM 4510 - Biochemistry
Physics	☐ Physics 1511 - General Physics I
Math	☐ STAT 1772 - Statistical Methods ☐ Math 1420 - Calculus I
Economics	☐ ECON 1051 - Principles of Microeconomics
Social Sciences	☐ PSYCH 1001 - Introduction to Psychology ☐ SW 2045 - American Racial & Minoritized Populations (Racial Course) ☐ PH 3330 - Minority Health
Suggested Electives	☐ BIOL 3140 - Genetics ☐ BIOL 3151 - General Microbiology ☐ BIOL 4116 - Neurobiology ☐ BIOL 4128 - Cell Biology ☐ BIOL 4150 - Immunology ☐ CHEM 4520 - Biochemistry II ☐ PSYCH 2101 - Biopsychology ☐ PSYCH 3102 - Drugs and Individual Behavior

UNI Resources

- Pre-Health Advising website: advising.uni.edu/pre-health
- Pre-Health Tracker: Virtual tool intended to organize all relevant information in one place!

Suggested Course Sequencing

Fall BIOL 2051 or BIOL 2052 - General Biology OD or CSF CHEM 1110 - General Chemistry I	Spring BIOL 2051 or BIOL 2052 - General Biology OD or CSF CHEM 1120 - General Chemistry II
Fall BIOL 3101 - Anatomy & Physiology I CHEM 2210 - Organic Chemistry I	Spring BIOL 3102 - Anatomy & Physiology II CHEM 2220 - Organic Chemistry II CHEM 2230 - Organic Chemistry Lab
Fall Physics 1511 - General Physics I CHEM 4510 - Biochemistry	Spring Physics 1512 - General Physics II

General Notes

- PharmCAS will factor in (average) all grades for repeated coursework. Students must earn a C- or higher in prerequisite courses.
- There is no minimum cumulative GPA required to apply. The average cumulative GPA of accepted candidates is between 3.5 & 3.8. University of Iowa: 2024 mean GPA = 3.4
- No test is required to apply to Pharmacy programs.

Observation Hours & Experiential Learning

Exposure to pharmacy professions and experience in healthcare settings are expected. Shadowing allows you to observe a professional at work and will help you learn more about a specific profession and reflect on whether it is a good fit for you. Shadowing a variety of pharmacists or working as a pharmacy tech are two options to earn observation hours. Students are encouraged to complete multiple shadow experiences in a variety of settings throughout their college experience.

Additionally, volunteering in a hospital or clinic, volunteering with a related service organization, or engaging in science research strengthens applications by demonstrating a commitment to service and the development of a well-rounded health experience. Commitment to "service of others" through non-medical volunteer activities is expected.

Application Process

A centralized application service is available through the Pharmacy College Application Service ([PharmCAS](#)). Applications are submitted one year before students expect to enter pharmacy school and are available for submission in early June. Schools view applicants on a rolling basis – apply early when the application opens!

Letters of Recommendation

Two letters of reference are required; additional letters will also be accepted. Letters are processed through the PharmCAS application service and may be submitted electronically. These letters can be from an employer, professor, pharmacist, supervisor of a community service project, etc.