



Pharm.D. Prerequisites Checklist

Applicants interested in pursuing a Pharm.D. degree at the University of Houston must fulfill the requirements below.

- Most courses are three hours with an hour lab if required.
- Applicants are recommended to follow their respective school's sequence for major science and math requirements.
- Courses may be completed at UH or other college/university.
- Upper-division math/science courses are recommended to be completed at a four-year college/university.

SCIENCE



CHEMISTRY

- _____ **Chemistry I**—3 credit hours
- _____ **Chemistry I Lab**—1 credit hours
- _____ **Chemistry II**—3 credit hours
- _____ **Chemistry II Lab**—1 credit hours
- _____ **Organic Chemistry I**—3 credit hours
- _____ **Organic Chemistry I Lab**—1 credit hours
- _____ **Organic Chemistry II**—3 credit hours
- _____ **Organic Chemistry II Lab**—1 credit hours



BIOLOGY

- _____ **Biology I**—3 credit hours
- _____ **Biology I Lab**—1 credit hours
- _____ **Biology II**—3 credit hours
- _____ **Biology II Lab**—1 credit hours
- _____ **Microbiology**—3 credit hours
- _____ **Microbiology Lab**—1 credit hours
- _____ **Genetics**—3 credit hours

MATH



- _____ **Calculus I**—4 credit hours
- _____ **Statistics**—3 credit hours
- _____ **General Physics**—3 credit hours⁺

CORE COURSES

In the state of Texas, public institutions have to fulfill certain requirements called Core Curriculum Courses, regardless of major. There are few exemptions:



ARTS & SOCIAL SCIENCES

- _____ **First Year Writing I**—3 credit hours*
- _____ **First Year Writing II**—3 credit hours*
- _____ **Introduction to Psychology or Introduction to Sociology**—3 credit hours
- _____ **Language, Philosophy, and Culture**—3 credit hours*
- _____ **Creative Arts**—3 credit hours*
- _____ **Component Area Option Course**—3 credit hours*[^]



HISTORY & GOVERNMENT

- _____ **American History I**—3 credit hours*
- _____ **American History II**—3 credit hours*
- _____ **Government/Political Science I**—3 credit hours*
- _____ **Government/Political Science II**—3 credit hours*

- If you have a bachelor's degree from the U.S. and have not fulfilled some or any of the requirements with *, you are exempt from those courses.
- If you are core complete but have not fulfilled some or any of the requirements with *, you are exempt.
- Courses must be completed with a C or better (2.0).
- For more information on courses with ^, visit <http://board.theccb.state.tx.us/apps/TCC/>
- ⁺ Two semesters or one year of high school physics in U.S. may satisfy the physics prerequisite
- Visit www.uh.edu/pharmacy/ or contact us at PharmDInfo@uh.edu or 713-743-1239 for more information



Career Exploration

- ▶ Seek a career health advisor
- ▶ Meet/network with pharmacists
- ▶ Join Pre-pharmacy association or health professions organizations
- ▶ Volunteer in Healthcare setting
- ▶ Create a resume



Academics

- ▶ Take 4 years of math/science in high school
- ▶ Take Pharm4Me quiz at <https://tinyurl.com/pharmacy-4-me>
- ▶ Develop proper study skills



College Preparation

- ▶ Meet your high school counselor
- ▶ Visit college campuses
- ▶ Apply for scholarships

OVERVIEW

Pharmacists: The Medication Experts

Pharmacy combines several science disciplines (including biology/physiology and chemistry), health care, computer technology, business, math and communication. Often, jobs in the sciences involve limited interaction with the public, but pharmacy offers a rare balance of independence and interaction with patients, which can be very appealing if you're a "people person." Pharmacists are experts in the safe, effective use of medications for patients of all ages – from babies and toddlers to senior citizens – to help manage such diseases as diabetes, heart disease, high blood pressure and infections for improved patient health and quality of life.



CAREERS



Clinical/Hospital



Community



Industry



Consulting



More Careers