

Why Pharmacy as a Career? Because Every Community Needs One.

- Did you know that **four out of five** patients who see a physician leave with a **prescription**?¹
- Did you know that almost **50%** of US adults have at least **one chronic disease**?²
- On average **31%** of these individuals take **2 or more medications**.³

Pharmacists **AIM** to contribute in all areas of health care. They are trusted by their patients and are:

- Accessible to all patients
- Improve people's lives
- Medication experts

Pharmacist scope of practice includes:⁴

- Ensuring appropriate medication therapy and outcomes
- Dispensing medication and devices
- Engaging in health promotion and disease prevention
- Engaging in health-system management
- Providing population-based care.

Do you have what it takes to become a pharmacist?

- An interest in science based courses
- Attention to detail
- Empathy
- Strong communication skills
- Problem solving abilities
- Desire to work with a team

1. The Chain pharmacy industry profile. National Association of Chain Drug Stores. 2001

2. Ward BW, Schiller JS, and Goodman RA. "Multiple Chronic Conditions Among US Adults: A 2012 Update, "Preventing Chronic Disease" 11 (April 17, 2014), doi:10.5888/pcd11.130389.

3. Qiuping Gu et al. NCHS Data Brief, Prescription Drug Use Continues to Increase: U.S. Prescription Drug Data for 2007–2008, U.S. Centers for Disease Control and Prevention, September 2010, <http://www.cdc.gov/nchs/data/databriefs/db42.html> (accessed September 12, 2014).

4. Albanese NP and Rouse MJ, Scope of Contemporary Pharmacy Practice: Roles, Responsibilities, and Functions of Pharmacists and Pharmacy Technicians (Washington, DC: Council on Credentialing in Pharmacy, February 2009), http://pharmacycredentialing.org/Contemporary_Pharmacy_Practice.pdf (accessed November 3, 2013).



Jefferson College of Pharmacy



Jefferson.edu/Pharmacy

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Jefferson College of Pharmacy

The Jefferson College of Pharmacy (JCP) proudly develops individuals interested in a pharmacy career and advances pharmacists currently in practice. There are many ways to connect with JCP.

- Students in the Health Sciences Pre-Pharmacy studies program network with JCP to learn more about pharmacy as a career choice.
- Students enrolled in the Doctor of Pharmacy (PharmD) program will become educated in the knowledge required of a pharmacist, skills essential to providing patient care, and insight into leadership, cultural competence and social awareness. Nationally recognized for interprofessional education, the JCP PharmD student will learn first-hand how to work effectively in healthcare teams.
- Beginning the Fall of 2019 semester, JCP will offer a Master of Science in Population Health Pharmacy degree. This degree will provide advancement opportunities for current pharmacists with an interest in evaluation of medication-associated outcomes.

Doctor of Pharmacy

JCP students have a record of outperforming their peers when it comes to first time licensure examination success and post-graduate match rates. In addition, JCP students succeed in professional competitions, research presentations, leadership and service to the community. This success is built upon the qualities of the student and faculty, our affiliation with Jefferson Health along with other health institutions, and the numerous opportunities for each individual student to design their future career path.

The Doctor of Pharmacy (PharmD) program prepares individuals for:

- Success on the National Licensure Examination*
- Optimal employment and post-graduate positions
- Complex-decision making
- Leadership of one's professional career

Population Health Pharmacy

The Population Health Pharmacy program is a collaborative effort between JCP and the Jefferson College of Population Health to advance the application of population health principles within the field of pharmacy. This specific expertise will further promote the pharmacist's ability to work broadly across the healthcare continuum to improve the care of patients and expand the role of the pharmacy profession.

The MS in Population Health Pharmacy program prepares pharmacists to:

- Assess current medication usage patterns
- Design and implement initiatives to improve health outcomes
- Promote health and wellness
- Reduce healthcare utilization costs

***100% of JCP 2018 graduates passed the North American Pharmacist Licensure Exam (NAPLEX) on their first attempt. The national average for the first time takers was 89%.**

Doctor of Pharmacy Degree

Students will engage in courses that provide the background knowledge to make them a medication expert. JCP students begin their experiential training immediately. Each semester students experience a different patient care setting where they apply the knowledge they are learning directly to patients.

JCP Curriculum First Year

Fall Semester		Spring Semester	
Course	Credits	Course	Credits
Biochemistry	3	Biostatistics	3
Immunology	3	IPPE* – Community	1
Healthcare Communications & Patient Counseling	2	Medicinal Chemistry	2
Healthcare Delivery Systems	2	Molecular Biology	3
Pathophysiology I	3	Pathophysiology II	3
Pharmacy Practice I	1	Pharmacy Practice II	1
Preventative Healthcare & Self-Care Issues	2	Physical Assessment & Clinical Skills	3
IPPE* – Healthcare Related Service Learning	1		
Total 17		Total 16	

*IPPE – Introductory Pharmacy Practice Experience

The entire curriculum may be viewed at:

<https://www.jefferson.edu/university/pharmacy/doctor-of-pharmacy/curriculum.html>

Features of the program include:

Location: Centrally located in the heart of Philadelphia, all healthcare programs are on the Center City campus including Thomas Jefferson University Hospital

Small class size: allowing for group discussions and opportunity for individual learning

Simulations: many courses design simulated experiences to give students the opportunity to practice before entering the patient care setting

Interprofessional education: Jefferson students in all healthcare disciplines participate in programs designed to learn how each discipline approaches patient care. Most experiences involve real patients that provide feedback to enhance their overall healthcare experience.

To learn more: [Jefferson.edu/pharmacy](https://www.jefferson.edu/pharmacy)

Population Health Pharmacy

What is Population Health Pharmacy?

It is the distribution of medication associated outcomes within a population, the determinants that influence this distribution and the policies and interventions that impact these determinants.

Program offerings:

- MS in Population Health Pharmacy
 - Requires completion of 33 credits and includes a capstone presentation
- Graduate Certificate
 - Requires completion of 15 credits, all of which can be applied toward the MS degree

What are some current examples of population health pharmacy?

- Medication stewardship
- Medication therapy and disease state management
- The use of data analytics to drive quality improvement
- Institutional care pathway development
- Formulary development and utilization management

Who would benefit from this program?

Pharmacists currently practicing in:

- Community pharmacies
- Health systems
- Managed care companies
- Insurance companies
- Medication safety organizations
- State and federal agencies

To learn more: [Jefferson.edu/PopHealthPharmacy](https://www.jefferson.edu/PopHealthPharmacy)

