

# Pre-Pharmacy

COLLEGE of HEALTH PROFESSIONS



**Jefferson**  
Thomas Jefferson University



## JEFFERSON COLLEGE of PHARMACY

Jefferson College of Pharmacy is an integral part of Thomas Jefferson University. The innovative Doctor of Pharmacy program integrates a variety of learning techniques to facilitate development of critical thinking, clinical and leadership skills and emphasizes interprofessional skills, cultural competency and societal responsibility, preparing each graduate for challenging roles across a diverse spectrum of pharmacy practice settings and related healthcare careers. JCP also offers an MS degree and certificate programs in Population Health Pharmacy in a collaborative effort with the Jefferson College of Population Health. This program prepares pharmacists to develop and implement population health initiatives across all types of pharmacy settings.

Jefferson is known for crossing disciplines to reimagine the way students learn with an approach that is collaborative and active; global; integrated with industry; focused on research across disciplines to foster innovation and discovery; and technology-enhanced. As a national doctoral research university, Jefferson delivers high-impact professional education in 160 undergraduate and graduate programs to 7,800 students in architecture, business, design, engineering, fashion and textiles, health, social science and science.

## PROGRAM HIGHLIGHTS

### Pre-Professional Study at Jefferson East Falls Campus

Build strong skills in critical thinking and problem solving through foundation courses in the sciences and humanities during your first two years of coursework. After Year 1, you will apply for admission consideration to the four-year PharmD program. Students who meet progression criteria are guaranteed an interview for the competitive PharmD program.

### Professional Study at Jefferson College of Pharmacy

Matriculating students enter the professional phase of study beginning in Year 3. Your education at Jefferson will prepare you to be a confident and knowledgeable pharmacist. Throughout the program, you will experience hands-on training within a premier health system and learn from nationally-recognized faculty. Jefferson students:

- Build skills and reinforce knowledge in actual pharmacy environments with real patients beginning in the first semester of the professional program.
- Gain skills through a broad range of clinical rotations, providing you with the diverse pharmacy practice experiences that appeal to prospective employers.
- Communicate and work effectively with other healthcare professionals through Jefferson's system of interprofessional education.

Jefferson is the largest health system in Philadelphia. There are more than 300 registered pharmacists within our system, and we are recognized as a national leader in interprofessional education.

# Curriculum

## PRE-PROFESSIONAL CURRICULUM

### Years 1 + 2

Pathways Seminar

Writing Seminar I

#### Social Sciences

American Studies

Global Citizenship

Psychology

#### Humanities

Ethics

American Diversity

Global Diversity

#### Applied Calculus\*

#### Biology I & II with Labs\*

#### Chemistry I & II with Labs\*

#### Organic Chemistry I & II with Labs\*

#### Physics I & II with Labs\*

#### Anatomy & Physiology with Labs\*

#### Microbiology with Lab\*

#### Elective (3 credits)

**Cumulative GPA:** *preferred 3.0 for all college coursework (minimum "C" grade)*

**\*Science/Math:** *preferred 3.0 for science/math prerequisites (minimum "C" grade)*

## PHARMACY CURRICULUM

### Year 1

Biochemistry

Preventive Healthcare & Self-Care Issues

Pathophysiology I

Pharmacy Practice I

Healthcare Delivery Systems

IPPE: Healthcare Related Service Learning

Healthcare Communications & Patient Counseling

Immunology

Biostatistics

Medicinal Chemistry

Pathophysiology II

Pharmacy Practice II

Molecular Biology

IPPE: Community Pharmacy

Physical Assessment & Clinical Skills

### Year 2

Drug Information & Literature Evaluation

IPPE: Hospital Pharmacy

Medication Safety

Pharmaceutics & Drug Delivery Systems

Pharmaceutics Lab

Pharmacology I

Pharmacy Management: Theory & Applications

Pharmacy Practice III

Pharmacy Calculations

Pharmacology II

IPPE: Ambulatory Care Clinic

Pharmacy Practice IV

Clinical Diagnosis/ Pharmacotherapy I

Clinical Diagnosis/ Pharmacotherapy II

Pharmacy Practice Lab I

Professional Elective(s)

Clinical Pharmacokinetics

### Year 3

Pharmacology III

Clinical Diagnosis/Pharmacotherapy III & IV

Clinical Diagnosis/Pharmacotherapy V & VI

Pharmacy Practice Lab II

Interprofessional Grand Rounds

IPPE: Direct Inpatient Care

Pharmacy Practice Lab III

Pharmacoeconomics & Health Outcomes

Integrated Practice Applications

Professional Seminar I

IPPE: Elective Site

Professional Elective(s)

Pharmacy Law

### Year 4

Professional Seminar II

Advanced Pharmacy Practice Experiences

*4 Core Experiences (6 weeks each)*

Community Pharmacy

Hospital/Health Systems Pharmacy

Ambulatory Care

Inpatient/Acute Care

*2 Elective Experiences (6 weeks each)*

Board Review Course

**IPPE:** Introductory  
Pharmacy Practice  
Experience

**APPE:** Advanced  
Pharmacy Practice  
Experience



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