



UNIVERSITY of MARYLAND
SCHOOL OF PHARMACY



Doctor of Pharmacy Program



EXPERTISE.

INFLUENCE.

IMPACT.

pharmacy.umaryland.edu/academics/pharmd/

OUR CURRICULUM

The four-year PharmD curriculum at the University of Maryland School of Pharmacy immerses students in six semesters of applied science and therapeutics courses and corresponding abilities labs to ensure that our students are thoroughly prepared for advanced pharmacy practice experiences in the final year. During the final two semesters (fourth year) of the program, students complete seven five-week rotations in areas such as health systems, acute care, ambulatory care, advance community, and patient care. No other pharmacy school in the state prepares students with such expertise.



Dual Degrees

- ▶ **PharmD/JD** University of Maryland Francis King Carey School of Law
- ▶ **PharmD/MBA** University of Baltimore Merrick School of Business
- ▶ **PharmD/MBA** University of Maryland Robert H. Smith School of Business
- ▶ **PharmD/MPH** University of Maryland School of Medicine
- ▶ **PharmD/MS** Medical Cannabis Science and Therapeutics
- ▶ **PharmD/MS Palliative Care**
- ▶ **PharmD/MS** Pharmacometrics
- ▶ **PharmD/MS** Regulatory Science
- ▶ **PharmD/PhD** Pharmaceutical Health Services Research
- ▶ **PharmD/PhD** Pharmaceutical Sciences

Pathways are a focused series of elective courses designed to meet a student's interest and are offered in research, geriatrics and palliative care, pharmacotherapy, and pharmapreneurship.

“*The curriculum is what interested me most about the PharmD program at the University of Maryland School of Pharmacy. I was impressed with how extensive it was and knew I would be getting the best bang for my buck.*”

— GLORIA RINOMHOTA, PHARM D '19

EXPERIENTIAL LEARNING

The Experiential Learning Program (ELP) at the School of Pharmacy provides structured educational opportunities in actual practice settings, under the supervision of and interaction with qualified preceptors - practicing pharmacists and other professionals who volunteer their time to help students apply the knowledge learned in the classroom. The School has more than 850 preceptors at sites such as community pharmacies, hospitals, nursing homes, government agencies, and pharmaceutical companies. Students begin experiential rotations during their first year.

pharmacy.umaryland.edu/pharmd/elp

Some Experiential Learning Sites Include:

- ▶ Astra Zeneca
- ▶ Centers for Medicare and Medicaid Services
- ▶ CVS Pharmacy
- ▶ International Opportunities
- ▶ The Johns Hopkins Hospital
- ▶ Kaiser Permanente
- ▶ National Institutes of Health
- ▶ University of Maryland Medical Center
- ▶ UPMC Western Maryland
- ▶ U.S. Food and Drug Administration
- ▶ Walgreens Pharmacy
- ▶ Walter Reed National Military Medical Center

ABILITIES LABS INCLUDE COMMUNITY, HOSPITAL, AND OBJECTIVE STRUCTURED CLINICAL EXAMINATIONS (OSCE)

Abilities labs are a series of six courses that occur each semester during the first three years of the curriculum. Abilities labs develop student pharmacists' knowledge, skills, abilities, and attitudes that are essential to function as a pharmacy practitioner in a variety of health care environments. Students progress through self-paced learning activities, lab activities, discussions, and reflection. Students observe, practice, demonstrate, and are assessed on a variety of abilities needed for contemporary pharmacy practice.

OSCE is a 10-room, state-of-the-art suite that provides a formative clinical practice experience to expose students to “real-world” situations that typify the pharmacist's expanding role in direct patient care. OSCEs are a method of assessing the practice-based abilities of our students in which professional actors serve as standardized patients.



MESSAGE FROM THE DEAN



Dear prospective student, I am thrilled that you are interested in pursuing a Doctor of Pharmacy (PharmD) degree at the University of Maryland School of Pharmacy. I am a proud alumna of the School, having graduated in 1989. My alma mater has been the home of my career as an educator and researcher for more than 30 years. It is with a sense of pride that I serve as dean.

Established in 1841, the University of Maryland School of Pharmacy continues to be a cornerstone of pharmacy education in Maryland, leading the way with innovative ideas and programs for practice and research. We create the future of pharmacy by pioneering new roles for pharmacists in advanced clinical practice and disease management and conducting cutting-edge research in drug discovery and development and in comparative effectiveness and patient-centered outcomes research.

The University of Maryland School of Pharmacy is part of the State of Maryland's only public academic health, human services, and law campus. Our location in Baltimore is in close proximity to academic medical centers, government agencies, and the pharmaceutical industry, providing countless opportunities for student rotations and internships and networking with our local alumni.

Our faculty, staff, students, and alumni are critical thinkers, lifelong learners, and leaders who are sought for their expertise. After reading more about our PharmD program, I hope you will see why we are a highly ranked program and the right choice for your graduate education.

In the spirit of expertise, influence, and impact,

Natalie D. Eddington, PhD '89, FAAPS, FCP
Dean and Professor

UNIVERSITY OF MARYLAND SCHOOL OF PHARMACY

— Established in 1841 —

80 FULL-TIME
FACULTY

44 AFFILIATE
FACULTY

850 PRECEPTOR
FACULTY

5:1 STUDENT/FACULTY
RATIO

“*The University of Maryland School of Pharmacy is a top school because of its rigorous PharmD curriculum. The students are challenged and well-prepared for their rotations, becoming well-rounded pharmacists at the end of four years.*”

— PAUL BADUA, STUDENT PHARMACIST



Faculty members are experts in **Community Pharmacy, Infectious Diseases, Mental Health, Palliative Care, Oncology, Geriatrics, Computational Biology, Synthetic Chemistry, Pharmacogenomics, Nanobiotechnology, Comparative Effectiveness Research, Public Health, Pharmacoeconomics, and Pharmacoepidemiology.**

WHY PHARMACY?

1 Earn a doctorate in as little as six years – the Doctor of Pharmacy program is a four-year commitment and an undergraduate degree isn't required for pharmacy school. With two years of prerequisite courses, you can be a pharmacist in just six years.

2 Pharmacy is a diverse career – with a PharmD degree, you can practice in community pharmacies, hospitals, long-term care settings, and in a wide variety of other sites, including the federal government, the pharmaceutical industry, and higher education.

3 Pharmacists are often the most accessible member of the health care team – with a pharmacy in nearly every neighborhood in America, you will be a trusted source of health care information for the patients you serve. Pharmacy regularly ranks as one of the most trusted professions.

4 A pharmacist's job is increasingly complex – while medication dispensing is still a key role for pharmacists, they also provide direct patient care through the administration of vaccines, blood pressure monitoring services, cholesterol screening, diabetes disease management, smoking cessation consultation, and bone density scans for osteoporosis screening.

5 The pharmacist is the medication expert on the health care team – there is a push in the United States for patient care to be provided by interdisciplinary teams of health care professionals. The pharmacist is the medication expert on that team, providing guidance and recommendations on appropriate use of medications to treat a variety of diseases and illnesses.

WHY THE UNIVERSITY OF MARYLAND SCHOOL OF PHARMACY?



U.S. News & World Report ranks the School of Pharmacy 14th among more than 140 accredited schools of pharmacy in the country.

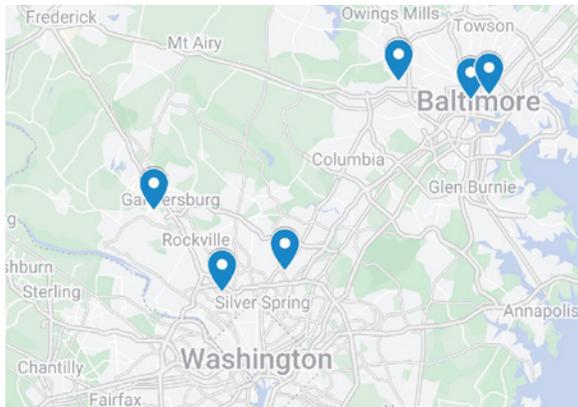


Opportunities

With a network of more than 6,300 alumni across the country and around the world, the School of Pharmacy provides students with connections to internships and jobs at federal agencies and top ranked companies.

Location

Located in downtown Baltimore, the School of Pharmacy is just minutes away from nationally ranked hospitals, the pharmaceutical industry, and government agencies in Maryland, Washington, DC, and Virginia.



PHARMAPRENEURSHIP

Our students and alumni are catalysts for change as pharmapreneurs in telehealth, technological innovation, new products and services, and continuous process improvement. As a PharmD student at the University of Maryland, you will learn what it takes to be pharmapreneurial, with opportunities to participate in electives and pathways and significant scholarships for students interested in business, innovation, and leadership.

“What makes the University of Maryland School of Pharmacy special is the people. I have been impressed by the faculty’s passion for educating future health care leaders and the staff’s love for forming the best environment for the students. I am thankful to be a part of this community.”

— SEAN MUJIN KIM,
STUDENT PHARMACIST

STUDENT LIFE

Students at the University of Maryland School of Pharmacy have the opportunity to participate in more than 20 student organizations, ranging from community outreach, professional development, and social interaction. Pharmacy students are the most active student population on campus with over 800 events per year. To see a list of the student organizations, visit pharmacy.umaryland.edu/studentorg/.

DIVERSITY

We have a very diverse student body with more than 44 non-English languages spoken. Our students are citizens of 31 different countries.

Community Events | Drug Take Back Days

Immunization Clinics Health Fairs

Educational Trainings | Charity Drives | Tutoring

STUDENT RESOURCES

The University of Maryland School of Pharmacy and the University of Maryland, Baltimore offer a full range of support services and amenities for students:

- ▶ Health Sciences and Human Services Library
- ▶ Seven Scholars Bookstore
- ▶ Tutoring
- ▶ Writing Center
- ▶ URecFit Fitness Center
- ▶ Student Counseling Center
- ▶ International Student Office
- ▶ Educational Support/Disability Services
- ▶ SMC Campus Center
- ▶ Shuttle Service
- ▶ Student Financial Services
- ▶ Housing
- ▶ Housing Scholarships
- ▶ Career Navigation



WHERE WILL THE UNIVERSITY OF MARYLAND SCHOOL OF PHARMACY TAKE YOU?

Wherever and however you decide to practice pharmacy, you are entering one of the most respected and trusted professions in the nation. The University of Maryland School of Pharmacy prepares students to be creative, adaptable, and innovative in their careers.



UMSOP is in the top 20% of all pharmacy schools for number of PGY1 residencies matched, with 43 PGY1 matches from the class of 2022.
*per ASHP

#6

UMSOP is ranked #6 for students pursuing pharmacy industry fellowships, with 22 of our PharmD grads in the 2021-22 cohort.
*per IPhO



CLINICAL SPECIALIZATIONS

Clinical pharmacists bring unique expertise and value to the health care system. These career paths usually require 1-2 years of additional residency and/or fellowship training. Clinical pharmacy specialties include:

- ▶ **CARDIOLOGY**
- ▶ **CRITICAL CARE**
- ▶ **DIABETES**
- ▶ **EMERGENCY MEDICINE**
- ▶ **HEALTH SYSTEM MANAGEMENT**
- ▶ **INFECTIOUS DISEASE**
- ▶ **INFORMATICS**
- ▶ **INTERNAL MEDICINE**
- ▶ **INVESTIGATIONAL**
- ▶ **DRUG SERVICE**
- ▶ **LONG-TERM CARE/GERIATRICS**
- ▶ **NEUROLOGY**
- ▶ **ONCOLOGY**
- ▶ **PALLIATIVE CARE**
- ▶ **PEDIATRICS**
- ▶ **PHARMACOGENOMICS**
- ▶ **PHARMACOTHERAPY**
- ▶ **POISON CONTROL**
- ▶ **PSYCHIATRY**
- ▶ **TRANSPLANT**

The School of Pharmacy's Career Navigation program provides students with advice and resources for career planning and assists with career development strategies.



The Career Navigation program organizes:

- ▶ **Internship Fairs**
- ▶ **Career Fairs**
- ▶ **Resume Reviews**
- ▶ **Mock Interviews**
- ▶ **Networking with Employers**
- ▶ **Roundtables**
- ▶ **One on one Coaching**

OUR ALUMNI WORK IN



ACADEMIA



AMBULATORY CARE



CLINICAL PHARMACY



COMMUNITY PHARMACY



GOVERNMENT/ FEDERAL PHARMACY/ PUBLIC HEALTH SERVICE



HOME HEALTH CARE



HEALTH SYSTEM PHARMACY



MANAGED CARE



MEDICAL CANNABIS



PHARMACEUTICAL INDUSTRY



PHARMACY LAW/ REGULATORY AFFAIRS/ PUBLIC POLICY



POISON CENTER



PUBLIC HEALTH



RESEARCH



SPECIALTY PHARMACY

AND MANY MORE!

AFFORDING YOUR PHARMACY EDUCATION

FINANCIAL AID

Students are awarded an aid package based on their financial need as determined by their FAFSA data and the cost of attendance for their program. Students are considered for federal loans, institutional grants/scholarships, and federal work study. Students are strongly encouraged to complete and have their FAFSA processed no later than Feb. 28 annually for priority consideration for institutional aid. The school code for all UMB programs is 002104. Students should visit studentaid.gov to fill out a valid FAFSA before each academic year. umaryland.edu/fin

TUITION

The University of Maryland School of Pharmacy provides a highly ranked education for a mid-range price. Visit the UMB website for information on current tuition: umaryland.edu/student-financial-services/tuition-and-fees-by-school/



MARYLAND RESIDENCY

As a public institution, students who wish to be considered for in-state tuition must apply and meet the criteria. Students can apply for Maryland residency every semester. umaryland.edu/registrar/residency

Campus Open Houses and Online Information Sessions are held regularly.

Please visit: pharmacy.umaryland.edu/academics/pharmd/connect-with-us/ to register for an upcoming event.



APPLYING FOR ADMISSION

While an undergraduate degree isn't a requirement for admission, prospective students must earn 65 prerequisite credits prior to entering the PharmD program. These credits can be completed at any two- or four-year accredited institution. The Admissions Committee, comprised of faculty members, students, and staff, reviews transcripts, letters of recommendation, work experience, extracurricular activities, and personal statement to make admissions decisions. We welcome students from the U.S. and internationally. An admissions interview is extended to selected candidates.

Admissions Office: 410-706-7653
pharmacy.umaryland.edu/academics/pharmd/how-to-apply
E-mail: pharmdassist@rx.umaryland.edu

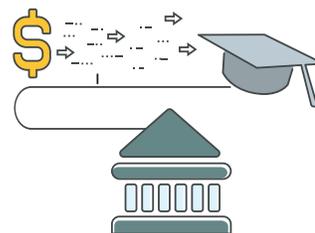
The University of Maryland, Baltimore is accredited by the Middle States Commission on Higher Education, a regional accrediting agency recognized by the U.S. Secretary of Education and the Council for Higher Education Accreditation. The School of Pharmacy's Doctor of Pharmacy and continuing education programs are accredited by the Accreditation Council for Pharmacy Education.

** The School reserves the right to make changes in requirements for admission, curriculum, standards for advancement and graduation, and rules and regulations. The University of Maryland, Baltimore does not discriminate on the basis of race, color, religion, national origin or ancestry, sex, sexual orientation, gender identity or expression, physical or mental disability, marital status, protected veteran's status, or age in its programs and activities.*

SCHOOL OF PHARMACY SCHOLARSHIPS

Through the generous gifts of alumni, friends, and professional associations, the School provides financial aid in the form of scholarships. Students can receive multiple year awards from the School of Pharmacy at the time of admission.

The Felix Gyi Memorial Scholarship for Pharmapreneurship is the largest at the School, providing one full year of tuition for a second or third-year student pharmacist who has demonstrated an interest in pursuing entrepreneurial activities.



Our students receive a total of \$2 million in scholarships and grants each year.

ADDITIONAL RESOURCES

Federal Student Aid: studentaid.gov
FAFSA code for UMB: 002104

Federal Work-Study:
umaryland.edu/workstudy

State Scholarships for Maryland Residents:
<https://mhec.maryland.gov/preparing/Pages/FinancialAid/index.aspx>

Health Professions Loans: umaryland.edu/fin/awards/health-professions-loans/

PharmD Specific Financial Aid Resource:
umaryland.edu/fin/school-specific-information/

Scan here to keep in touch and be notified about upcoming events!

