What is the PharmD?
The Doctor of Pharmacy (PharmD) is the entry-level professional degree to become a practicing pharmacist. The pharmacist is a vital part of the modern health care team who specializes in how drugs are administered and how they work in the body. Pharmacists provide invaluable insight into the treatment of complex and chronic disease states in patients.

PharmD Outcomes
Your next step is important. That’s why we’re focused on training our students to provide exceptional patient care. Our curriculum and commitment to experiential education help our students have consistently excellent educational and employment outcomes. We’re very proud of our graduates’ continued success in getting where they want to go. Below, you’ll see the outcomes from our class of 2015 and can learn about our program by the numbers.

Graduation and Licensure

<table>
<thead>
<tr>
<th>Outcome</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Four year graduation</td>
<td>92.9%</td>
</tr>
<tr>
<td>Five year graduation</td>
<td>94.9%</td>
</tr>
<tr>
<td>MJPE first-time passage</td>
<td>100%</td>
</tr>
<tr>
<td>NAPLEX first-time passage</td>
<td>97.5%</td>
</tr>
</tbody>
</table>

At the time of graduation...

*Self reported before testing for licensure*

<table>
<thead>
<tr>
<th>Outcome</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Knew their next step</td>
<td>85%</td>
</tr>
<tr>
<td>Were employed</td>
<td>51%</td>
</tr>
<tr>
<td>Secured residency/fellowship</td>
<td>24%</td>
</tr>
<tr>
<td>Went on to further education</td>
<td>10%</td>
</tr>
<tr>
<td>Were still seeking employment</td>
<td>14%</td>
</tr>
</tbody>
</table>

Curriculum Overview
The PharmD is a four-year professional program through which students will become exemplary patient care providers who serve as the responsible medication experts in the health care delivery system. Students will gain a comprehensive understanding of drugs and the determinants of drug action, as well as learning the skills to solve medication-related problems, provide direct patient care and manage the medication use system. Ohio State’s program is carefully and intentionally designed to educate the best possible pharmacist by stressing patient-centered care and experiential learning. Our students apply their didactic learning in laboratory settings, as well as through a combination of practice experiences and rotations that extend through all four years. Students can expect an integrated model of coursework stressing content mastery.

First Year Curriculum

| Transition 1 & 2           | 3 weeks    |
| Concepts in Patient Care   | 6 weeks    |
| Principles of Drug Action  | 16 weeks   |
| Concepts in Patient Care 2 | 4 weeks    |
| Transitions 2              | 1 week     |
| Program Level Assessment   | 1 week     |
| Integrated Patient Care Lab (IPCaL): 27 weeks |
| Longitudinal Introductory Pharmacy Practice Experience (IPPE): 27 weeks |

Transitions 1 & 2: Provides students with an orientation to pharmacy school as well as essential skills and tools for successful matriculation to the professional PharmD curriculum.

FIPA: An introduction to the U.S. healthcare system, management, leadership, and pharmacy law, in preparation for roles as pharmacy interns and future pharmacy practitioners.

IPCaL: A two-course professional practice laboratory sequence. Topics include preparation/dispensing of various dosage forms, communication, use of drug information resources, and use of instruments.

IPPE: A two-module sequence addressing concepts and skills that enhance and complement first-year professional coursework. Students engage in activities in community pharmacies and with other pharmacy partners. Activities provide a foundation for attitudes and skills that will be applied during the professional practice laboratory.

CIPC 1 & 2: A two module sequence addressing concepts and skills that are essential components of exemplary patient care. This module focuses on oral and written communication, as well as drug information skills in using the patient care process to counsel patients on the selection and use of nonprescription medications, most especially in community and ambulatory care pharmacy settings.

PoDA: This module provides basic foundations in the pharmaceutical sciences necessary for the understanding of drugs and the determinants of drug action. The module covers biochemistry and physiology of drug action, physical chemistry of pharmaceutical products, medicinal chemistry and pharmacokinetics.

Program Level Assessment: This module assesses student performance on the program-level ability based outcomes as well as demonstrating that students are achieving outcomes required by specialized accreditor the Accreditation Council for Pharmacy Education (ACPE).
Admission to the PharmD program is competitive. Admissions decisions are made after carefully considering your entire application, including your full academic record, personal statement, supplemental application, letters of recommendation, level of experience, interest in the field and performance in an in-person interview (if invited).

### Minimum Criteria

1. Earn a cumulative GPA of at least 2.7.
2. Score in the 50th percentile PCAT composite.
3. Obtain a bachelor’s degree before beginning the program. (You may apply without a degree).
4. Complete the full list of prerequisite courses by the time they begin the program. (You may apply without having completed the prerequisites).

<table>
<thead>
<tr>
<th>Cumulative GPA</th>
<th>PCAT</th>
<th>Experience (not required but preferred)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum</td>
<td>2.7</td>
<td>1. Pharmacy Technician</td>
</tr>
<tr>
<td>Average</td>
<td>3.4-3.5</td>
<td>2. 40+ hours of shadowing</td>
</tr>
<tr>
<td>Recommended Range:</td>
<td>3.0-4.0</td>
<td>3. Volunteer</td>
</tr>
<tr>
<td><em>Other important considerations</em></td>
<td>Science GPA &gt;3.0 (ideal)</td>
<td>4. Other health care experience</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5. Other experiences like:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>-research,</td>
</tr>
<tr>
<td></td>
<td></td>
<td>-leadership,</td>
</tr>
<tr>
<td></td>
<td></td>
<td>-organizations, etc.</td>
</tr>
</tbody>
</table>

When making decisions for interviews, we take all aspects of your application into account, including your personal statement and letters of reference. We review all applications which meet our minimum requirements and encourage students who meet the minimums, but fall outside of the listed "most competitive" ranges, to submit their application for review.

### Recommended Application Timeline

#### Early Decision Process

**Deadline:**
**September 6, 2016**

**July -September**
1. Take the PCAT (July test is strongly preferred) and begin the PharmCAS application (PharmCAS opens mid-July)
2. Send transcripts to PharmCAS (ASAP)
3. Get Pharmacy shadowing or work experience
4. Secure positive and thorough letters of reference
5. Speak with an admissions counselor about any questions

**September-October**
1. Submit PharmCAS application before the deadline
2. Practice for interviews
3. Interviews are conducted and admissions decisions are made by the end of Oct.
4. Speak with an admissions counselor about any questions

**October-Forward**
1. If NOT admitted - apply to other schools normally
2. If admitted - pay attention to your email for important communications!
3. Complete prerequisites courses and other requirements
4. Fill out your FAFSA, it is essential for financial aid

*Early decision applicants may get one of three decisions: (1) "Admit," meaning you must attend Ohio State, (2) "Deny," meaning you may apply to other schools, or (3) "Defer to the regular process," meaning you may also apply to other schools but are still being considered for Ohio State.*

#### Regular Decision Process

**Deadline:**
**February 1, 2017**

**July -September**
1. Take the PCAT and begin the PharmCAS application (PharmCAS opens mid-July).
2. Send transcripts directly to Ohio State as early as possible
3. Get Pharmacy shadowing or work experience
4. Secure positive and thorough letters of reference
5. Speak with an admissions counselor about any questions

**September-February**
1. Submit PharmCAS application before the deadline
2. Complete prerequisites and continue to get Pharmacy shadowing and work experience
3. Practice for interviews
4. Interviews and admission decisions are conducted on a rolling basis

**October-April**
1. Interviews and decisions happen on a rolling basis
2. Continue to take pre-requisites and speak with an admissions counselor about any questions
3. If admitted - pay attention to your email for important communications!
4. Fill out your FAFSA, it is essential for financial aid

*Regular Decision applicants: It is strongly in your benefit to submit your application as soon as possible. Since we operate under rolling admissions, the earlier your complete application is submitted, the earlier you might be invited to interview and receive an admission decision.*
Elements of your application

The PCAT

The PCAT is a required exam for admission to the program. We recommend taking the PCAT as soon as possible. That way, you can retake the test if you need. It also gives you the most time to apply to a combined degree program. Some students choose to use a PCAT review course to brush up on material.

Letters of Recommendation

You are required to submit 3 letters of reference with your PharmCAS application. We recommend that one of these letters be from a pharmacist. You should provide at least one letter of an academic nature speaking to your critical and analytical thinking skills and ability to be successful in a rigorous professional program. These letters provide your application’s reviewer with a holistic view of who you are as a student, person and future professional.

Supplemental Application

The Ohio State University College of Pharmacy requires students to complete a supplemental application in addition to their PharmCAS application. You will receive this application, along with directions on how to create and activate an Ohio State user name, about a week after your PharmCAS application is verified.

Prerequisites

You must complete a set of prerequisite courses before you may matriculate. See the table here to review the full list of required courses.

<table>
<thead>
<tr>
<th>General Course</th>
<th>Ohio State University Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gen. Chemistry w/ labs (2 classes)</td>
<td>CHEM 1210 &amp; CHEM 1220</td>
</tr>
<tr>
<td>Org. Chemistry w/labs (2 classes)</td>
<td>CHEM 2510 + 2520 &amp; CHEM 2540 + 2550</td>
</tr>
<tr>
<td>Basic Biochemistry (1 class)</td>
<td>BIOCHEM 4511 or BIOCHEM 5613 + 5614 or PHR 3200 or PHR 4100</td>
</tr>
<tr>
<td>Introductory Biology w/lab (1 class)</td>
<td>BIOLOGY 1113</td>
</tr>
<tr>
<td>Microbiology w/ lab (1 class)</td>
<td>MICROBIO 4000</td>
</tr>
<tr>
<td>Human Physiology (1 class)</td>
<td>EEOB 2520 or PHYSIO 3101 + 3102 or PHYSIO 3200</td>
</tr>
<tr>
<td>Human Anatomy w/ lab (1 class)</td>
<td>ANATOMY 2300 or 3300 or EEOB 2510</td>
</tr>
<tr>
<td>Calculus (1 class)</td>
<td>MATH 1151</td>
</tr>
<tr>
<td>Statistics (1 class)</td>
<td>STAT 1450 or 1350</td>
</tr>
<tr>
<td>Physics w/lab (1 class)</td>
<td>PHYSICS 1200</td>
</tr>
</tbody>
</table>

Course Equivalence

Evaluate specific courses: (courses you have taken or might take which are not included in other resources like transferology)

Transfer Credit Coordinators represent the department which hosts the course which you’re hoping to evaluate. They can evaluate specific, individual courses which you think might count toward our requirements. We recommend you gather a syllabus, course description, and textbook information if possible. You should ask if the course you’re looking at covers at least 80% of the same material as our prerequisite course. Access it at: go.osu.edu/coptransfercredit.

Complete a degree evaluation: (out of state and international students)

Out of state and international students can have out of state courses and international degrees assessed to determine course completion. Please allow up to 6 weeks to receive a response. **International students: Ohio State does NOT accept outside evaluations such as WES or ECE. You MUST have your degree evaluated by the Office of Graduate and Professional Admissions. Access it at: go.osu.edu/copdegreeevaluation.

Selecting directly equivalent courses:

1. Transferology is useful to compare coursework equivalence. *Not all institutions or courses are represented. If they are not, you can work with a transfer credit coordinator.

2. The Office of Graduate and Professional Admissions publishes a number of in-state equivalents from institutions inside Ohio.

Access it at: go.osu.edu/copinstate.
The PharmD is a minimum of four years.

Is it possible to graduate in less than four years?
Your transcript. If you have post-secondary or AP credit, you should YES, as long as they are listed as credit for an equivalent course on your transcript. If you have post-secondary or AP credit, you should confirm how this will appear on your transcript with your institution.

Can I take prerequisites anywhere?
Yes, as long as they’re accredited and equivalent. Many students choose to take courses at less expensive community colleges. You can use the information in the “course equivalence” section to learn more about determining what courses count.

Can I work during the school year?
Yes. Many of our students get pharmacy positions. Ultimately, it is up to you to decide if you can balance both school and work.

I am an out-of-state student; can I gain residency in Ohio?
Yes! Most of our out-of-state students apply for and obtain Ohio residency, typically after one year. By doing so, students pay the in-state tuition rate during their P2, P3, and P4 years. Ohio State employs residency counselors in our Student Services Center who can assist you in navigating this process.

I took a course which isn’t listed as equivalent, but I think it might still satisfy your requirement. Can I see if this will count?
Yes, you can contact a transfer credit coordinator in the department which represents the course for which you want to receive credit. We recommend you provide as much information as possible (e.g., syllabus, course text information, # of credit hours, etc) and ask them if your course covers at least 80% of the same material as our prerequisite. You can also do this for planned courses.

Do you look at the type of institution where I took classes when evaluating applications?
No, as long as the courses are from an accredited institution and equivalent. Many students choose to take courses at less expensive community colleges.

Do I need to submit transcripts from all schools I’ve attended, even if it’s just one class?
Yes. PharmCAS requires transcripts from all institutions from which you’ve received credit. International applicants should plan on sending a copy of their foreign transcript directly to Ohio State for evaluation; you will receive more details during the application process.

Is financial aid available?
Federal financial aid is limited to United States citizens.

Is financial aid available?
Financial aid during the P1 year is typically need based. In subsequent years, aid is awarded based on need, merit and special eligibility. You can learn more on our website: go.osu.edu/pharmd. All students should complete the FAFSA (fafsa.gov) in order to be eligible. We recommend you complete the FAFSA before the priority deadline.

What is rolling admission?
We operate under rolling admission. We review applicants continuously and hold interview days between autumn and the end of the winter. AS SUCH, THE EARLIER YOU COMPLETE YOUR APPLICATION, THE EARLIER YOU COULD BE INVITED TO INTERVIEW. Typically we interview those applicants with the most competitive GPAs, PCAT composite scores and experience first.

Can I use post-secondary or AP credit toward prerequisites?
Yes, as long as they are listed as credit for an equivalent course on your transcript. If you have post-secondary or AP credit, you should confirm how this will appear on your transcript with your institution.

Is it possible to transfer into your PharmD program?
Advanced standing transfers are sometimes possible only after full review of all coursework taken in a prior program. Due to the difference between curricula between programs, the majority of transfer requests result in students needing to begin our program as a P1 student. Students interested in transferring should contact the Office of Student Affairs for more information.

How much is tuition?
Tuition information is available on our website. Tuition rates for in-state students are different than those for out-of-state and international students. You can reach it at: go.osu.edu/pharmdtuition

My PharmCAS application has been verified; how long should I wait to receive the supplemental application?
You should plan on waiting approximately 5-10 business days before you receive the supplemental application after your PharmCAS has been verified. It will be contained in an email from the Office of Graduate and Professional Admissions.

Is there an interview required for admission?
PharmCAS says they do not verify international transcripts. How can I make sure Ohio State receives them? You must submit your transcripts directly to Ohio State. You will receive detailed directions on how to do so during the application process. You can have them sent from your institution or mail them directly to us yourself. Without exception, transcripts must be completely sealed and official.

Do I need to take a TOEFL?
Yes, international students likely need to take the TOEFL unless they have or will have: (1) earned a degree from an English-speaking country, (2) taken the TOEFL within the last 5 years, or (3) are a citizen of an English-speaking nation. Specific details on the TOEFL requirements can be found at: go.osu.edu/coptoefl.

PharmCAS says they do not verify international transcripts. How can I make sure Ohio State receives them? You must submit your transcripts directly to Ohio State. You will receive detailed directions on how to do so during the application process. You can have them sent from your institution or mail them directly to us yourself. Without exception, transcripts must be completely sealed and official.

Is it possible to gain residency in Ohio?
Yes, many of our students get pharmacy positions. Ultimately, it is up to you to decide if you can balance both school and work.

I am an out-of-state student; can I gain residency in Ohio?
Yes! Most of our out-of-state students apply for and obtain Ohio residency, typically after one year. By doing so, students pay the in-state tuition rate during their P2, P3, and P4 years. Ohio State employs residency counselors in our Student Services Center who can assist you in navigating this process.

I took a course which isn’t listed as equivalent, but I think it might still satisfy your requirement. Can I see if this will count?
Yes, you can contact a transfer credit coordinator in the department which represents the course for which you want to receive credit. We recommend you provide as much information as possible (e.g., syllabus, course text information, # of credit hours, etc) and ask them if your course covers at least 80% of the same material as our prerequisite. You can also do this for planned courses.

Do you look at the type of institution where I took classes when evaluating applications?
No, as long as the courses are from an accredited institution and equivalent. Many students choose to take courses at less expensive community colleges.

Do I need to submit transcripts from all schools I’ve attended, even if it’s just one class?
Yes. PharmCAS requires transcripts from all institutions from which you’ve received credit. International applicants should plan on sending a copy of their foreign transcript directly to Ohio State for evaluation; you will receive more details during the application process.

Financial aid during the P1 year is typically need based. In subsequent years, aid is awarded based on need, merit and special eligibility. You can learn more on our website: go.osu.edu/pharmd. All students should complete the FAFSA (fafsa.gov) in order to be eligible. We recommend you complete the FAFSA before the priority deadline.

What is rolling admission?
We operate under rolling admission. We review applicants continuously and hold interview days between autumn and the end of the winter. AS SUCH, THE EARLIER YOU COMPLETE YOUR APPLICATION, THE EARLIER YOU COULD BE INVITED TO INTERVIEW. Typically we interview those applicants with the most competitive GPAs, PCAT composite scores and experience first.

Can I use post-secondary or AP credit toward prerequisites?
Yes, as long as they are listed as credit for an equivalent course on your transcript. If you have post-secondary or AP credit, you should confirm how this will appear on your transcript with your institution.

Is it possible to graduate in less than four years?
The PharmD is a minimum of four years.
Combined Degrees

**PharmD-MBA:** The PharmD-MBA program provides a business foundation focusing on finance, operations & logistics and marketing. Students may participate in case competitions, paid MBA internships, and Global Applied Projects (GAP) to further develop business and leadership skills. The PharmD-MBA builds the skills necessary to improve pharmacy operations and management in the pharmaceutical industry or personal practice.

**PharmD-MPH:** PharmD-MPH students study in the interface between macro-level public health initiatives and pharmacy. Some specializations that are available in the MPH are: biomedical informatics, biostatistics, clinical translational science, environmental health sciences, epidemiology, health behavior and health promotion, health services management and policy and veterinary public health.

**PharmD-PhD:** PharmD students can earn a dual PharmD/PhD, focusing on the interface between the laboratory and the clinic through course work and research. Students build a foundation in therapeutics, research, grant writing, biostatistics and research ethics, in addition to taking coursework tailored to their particular interests. Each student's program includes patient and basic laboratory based research.

Learn more about our combined degree options Online at: go.osu.edu/copcombined

Wexner Medical Center

The Ohio State University Wexner Medical Center is an exciting comprehensive medical campus composed of the University Hospital, the James Cancer Hospital and Solove Research Institute, the Richard Ross Heart Hospital, Harding Hospital, and numerous other community-based ambulatory care centers throughout the state. The Wexner is consistently rated among “America’s Best Hospitals” by US News and World Report and is the location of extensive ground-breaking research. The presence of the wexner medical center directly across the street from the College of Pharmacy presents a unique opportunity for our students to engage with patients and world-renowned practitioners.
Did you know that Columbus, Ohio is the nation’s 15th largest city and boasts a population of over 822,000? There’s always something going on here, with Columbus offering a diverse range of educational and social opportunities outside the classroom. Its strong tradition of cultural and artistic events, sports, restaurants, and festivals makes it both a great place to study and a great place to live. Its historic neighborhoods, numerous galleries, live music, and fine dining scene are all within close proximity to campus, meaning that you’ll get a rich academic experience coupled with an active and full personal life. Learn more at: www.experiencecolumbus.com/

Contact Us

Email a staff member: cop-admissions@osu.edu
Email a student ambassador: cop-ambassadors@osu.edu
Call us with a question: 614-292-1662
Read about us online: http://go.osu.edu/pharmd
Apply online at: http://pharmcas.org
Schedule your PCAT at: http://pcatweb.info/

The Ohio State University
College of Pharmacy