



**WRIGHT STATE**  
**UNIVERSITY**

## Interested in Becoming a Pharmacist?

Pharmacy is one of the fastest growing fields in the health professions but did you know that:

- pharmacy is the third largest health profession in the U.S,
- pharmacists are considered to be the most accessible health professional in the U.S.,
- currently, there are an estimated 7,000-10,000 unfilled pharmacy positions in the United States,
- according to the U.S. Department of Labor Bureau of Labor Statistics, the mean annual wage of pharmacists in 2005 was \$91,998,
- Surveys show that by the year 2020, 150,000 more pharmacists will be needed than are working today,
- Wright State University has all the courses needed to prepare you for any of Ohio's doctoral programs in pharmacy.

While being a pharmacist previously meant obtaining a bachelor's degree in pharmacy that is no longer the case. Now, to be a pharmacist, one must obtain either a Ph.D. or a PharmD to be certified to practice. There are currently 93 schools in the United States that grant the PharmD or Ph.D in pharmacy and four of them are in the state of Ohio at:

- **Ohio State University in Columbus, Ohio**
- **University of Cincinnati in Cincinnati, Ohio**
- **University of Toledo in Toledo, Ohio**
- **Ohio Northern in Ada, Ohio**



These schools all have different requirements for admission and different acceptance rates for applicants. At **Ohio State University** ([www.pharmacy.ohio-state.edu](http://www.pharmacy.ohio-state.edu)) the four year PharmD degree can be started after completing as little as three years of undergraduate work, although preference is given to students with bachelor's degrees. In addition to the PCAT (Pharmacy College Admission Test), students are required to have the following courses before acceptance:

- Anatomy 201 and 202 (human anatomy)
- Biology 111 and 112 (general biology and genetics)
- Chemistry 121, 122 and 123 & labs (general chemistry)
- Chemistry 211, 212 and 213 & labs (organic chemistry)
- Chemistry 312 and 314 (analytical chemistry)
- Math 229, 230 and 231 (calculus)
- Microbiology 220 (general microbiology)
- Physics 111, 112 and 113 & labs (general physics)
- All general education courses

At the **University of Cincinnati** ( [www.pharmacy.uc.edu](http://www.pharmacy.uc.edu)) students can start the PharmD program after as little as two years of undergraduate work, assuming all of the following courses will be completed prior to admission, along with the PCAT. Generally, half the students accepted are UC undergraduates.

Biology 111, 112 and 115  
Chemistry 121, 122 and 123  
Chemistry 211, 212 and 213  
Math 229, 230 and 231  
Statistics 264  
Microbiology 220  
Physics 111, 112 and 113  
English 101, 102 and 204

At the **University of Toledo** ([www.utpharmacy.org](http://www.utpharmacy.org)) the majority of students come in as undergraduates out of high school, intending to go to the PharmD program in their third year. Some students choose to transfer in from another Ohio institution. This is an extremely difficult pathway and the student must attend University of Toledo for one to two semesters before being considered for admission to the PharmD program. For transfer students, therefore, the requirements include, but are not limited to the following:

- Undergraduate GPA above a 2.5,
- Good standing at (being able to return to) the undergraduate institution
- Must have been enrolled full time at the University of Toledo College of Pharmacy and be registered for 16 semester hours for the one semester prior to provisional acceptance to the upper division PharmD program

At **Ohio Northern** ([www.onu.edu/pharmacy](http://www.onu.edu/pharmacy)) students are generally accepted to the pharmacy program as an incoming freshman undergraduate student. Frequently, no transfer students are accepted (one was admitted in 2003 and none in 2004), but the number of transfer students who could potentially be accepted is not determined until the end of March of the application year. The program then takes six years from admission to completion of the PharmD. Ohio Northern is a church-related university and religious studies play a role in all programs. Their admission criteria are primarily high school related and include:

ACT score above 25  
High school class rank in the top 10% of your class  
No less than a 3.0 high school GPA (out of a possible 4)  
Four years of math (algebra I and II, geometry and trigonometry)  
Four years of science ( physics, biology and chemistry)  
Four years of English

### **College of Science and Mathematics**

For more information please visit our website:

[www.wright.edu/cosm/premed](http://www.wright.edu/cosm/premed)

or contact the pre-med advisor

Jacqui Neal at [jacqueline.neal@wright.edu](mailto:jacqueline.neal@wright.edu)

to ask a question or schedule an appointment

Thank you for your interest in Wright State University!