

UIC College of Pharmacy

Doctor of Pharmacy (PharmD)

General Information Packet

**COLLEGE
OF PHARMACY
CHICAGO
ROCKFORD**



UIC College of Pharmacy. One College. Two Campuses.

Established in 1859, the UIC College of Pharmacy stands as the oldest academic unit of the University of Illinois, one of the largest and most comprehensive research universities in the nation. Our College enjoys a national reputation for excellence and has been ranked among the top colleges of pharmacy for scholarship, curriculum, and the quality of faculty and students.

In 2010, the College of Pharmacy added an additional campus in Rockford, IL where students can benefit from small class sizes and personalized attention. The College of Pharmacy is viewed as a single institution with one accreditation but two campuses: Chicago and Rockford. Students in Rockford complete the identical curriculum as students on the Chicago campus. The core classes are taught via distance education using state-of-the-art technology.

Visit us online:

pharmacy.uic.edu

Email:

pharmosa@uic.edu

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Updated Fall 2015

Please make sure you continue to check pharmacy.uic.edu for the most up-to-date information.

DOCTOR OF PHARMACY (PharmD)

Admission Requirements

Required Prerequisite Coursework (minimum of 65 semester hours)

Communications: 8 semester hours

Both written and verbal must be represented

Life Sciences: 22 semester hours

General Biology with lab: 8

Anatomy and Physiology: 8

Microbiology with lab: 3

Genetics: 3

Physical Sciences: 23 semester hours

Inorganic Chemistry with lab: 8

Organic Chemistry with lab: 8

Physics: 4

Biochemistry: 3

Mathematics/Statistics: 6 semester hours

Calculus: 3

Statistics: 3

Social/Behavioral Sciences: 3 semester hours

Humanities: 3 semester hours

NOTES:

- AP credit is acceptable to meet prerequisites if it's identified by specific courses/credit hours on college transcripts.
- All prerequisite coursework must be completed with a grade of C or higher by the end of the spring semester (or no later than the first week of June for schools not on a semester system) before they would begin the professional program.
- Any course with a grade of C- (C minus) or lower grade must be repeated.
- All prerequisite coursework must be taken on a graded basis.

Pre-Pharmacy Prerequisite Coursework Guides

The College of Pharmacy Office of Student Affairs works with many Illinois colleges and universities to create prerequisite transfer equivalency guides. These guides are available at the following website:

<http://pharmacy.uic.edu/programs/pharmd-professional-program/admission-requirements-new/prepharmacy-prerequisite-coursework-guides>

PCAT Scores

- The average PCAT scores from the past few years have been in the 70-80th percentile range.
- There is no minimum score required. However, for best consideration, a score of 50th percentile or higher is recommended.
- If the PCAT has been taken multiple times, the attempt with the highest composite percentile will be used in the review process.
- PCAT scores within the last two years (at the time of application) will be considered.

Grade Point Average (GPA) Requirements

The UIC College of Pharmacy requires applicants to have Cumulative, Science/Math, and Pre-Pharmacy Prerequisite coursework GPAs that meet or exceed **2.75 (on a 4.00 scale)** to be eligible for admission consideration. The average prerequisite GPA over the past few years has been a 3.3 on a 4.0 scale.

- **Pre-Pharmacy Prerequisite GPA** – only prerequisite coursework (if any prerequisite course has been repeated, the better grade will be used in this calculation)
- **Science/Math GPA** – all science and mathematics/statistics coursework
- **Cumulative GPA** – all coursework taken at all colleges and universities combined (if any course has been repeated, all attempts will be used in this calculation)

Factors Considered by the Admissions Committee During the Review Process

- Communication, leadership and people skills
- Community service hours, volunteer work
- Grade Point Averages
- PCAT test scores
- Pharmacy or health care related experiences such as pharmacy technician, hospital volunteer, volunteer for Red Cross, etc.
- Prerequisite coursework
- Letters of Recommendation – two are required: one from an academic source such as an academic advisor or a professor/TA, and one from an employer/supervisor or volunteer supervisor

Applying to the Pharmacy Program

- **STEP 1 – Complete a PharmCAS Application.** Available at www.PharmCAS.org at the beginning of July each year
- **STEP 2 – Complete the Supplemental Application and UIC Online Application** (by invitation only for qualified applicants)

NOTES:

- The Admissions Committee reviews complete applications (verified PharmCAS application, supplemental application materials, PCAT scores in PharmCAS, and the two required letters of recommendation).
- Between 400 and 500 of the most qualified applicants are invited for an on-site Multiple Mini-Interviews (MMI).
- Approximately 210 students are admitted to the program each fall (160 on the Chicago campus and 50 on the Rockford campus).
- A non-refundable \$1,000 holding deposit is required when an applicant accepts an admission offer. The deposit is applied to a student's tuition after matriculation.

If you have any questions regarding this information, please contact:

Ms. Paula Fleming

Admissions Counselor

College of Pharmacy

pfleming@uic.edu

312 996 2329

Please make sure you continue to check pharmacy.uic.edu for the most up-to-date information.

DOCTOR OF PHARMACY (PharmD)

Curriculum Requirements

Summary of PharmD Hours	Hours
Core Hours Total core hours (excluding IPPE & APPE)	78
Professional Elective Hours^a	13
Total Experiential Hours (IPPE and APPE)	42
Total PharmD Hours	133

First Year: Fall Semester	Hours
PHAR 411: IPPE-Introduction to Pharmacy Practice	4
PHAR 410: Integrated Physiology	3
PHAR 422: Fundamentals of Drug Action	4
PHAR 431: Pharmaceutics I	3
PHAR 435: Pharmacokinetics	3
Electives ^a	0-1
Total Hours	17-18
First Year: Spring Semester	Hours
PHAR 412: IPPE-Community OR PHAR 413: IPPE-Hospital	2
PHAR 423: Biomedical Chemistry	4
PHAR 432: Pharmaceutics II	2
PHAR 438: Introduction to Drug Information (weeks 1 – 5) ^b	1
PHAR 461: Pharmacy & the US Healthcare System (weeks 6 – 15) ^b	2
PHAR 501: Pathophysiology, Drug Action, & Therapeutics (PDAT) 1	3
PHAR 502: PDAT 2	3
Electives ^a	0-1
Total Hours	17-18

^aStudents are required to take a total of 13 semester hours of didactic electives during the P-1 to P-3 years.

^bModular course. 1-hour course: 3 hours/week x 5 weeks (15 hours/semester). 2-hour course: 3 hours/week x 10 weeks (30 hours/semester)

^cStudents must provide transportation to and from pharmacy practice experiences (IPPE and APPE). Some pharmacy practice experience sites may not be in the Chicago/Rockford area or accessible by public transportation.

Second Year: Fall Semester	Hours
PHAR 412: IPPE-Community OR PHAR 413: IPPE-Hospital	2
PHAR 433: Pharmaceutics III	2
PHAR 463: Personal and Professional Development	2
PHAR 462: Social & Behavioral Pharmacy (weeks 1-10) ^b	2
PHAR 464: Patient Safety (weeks 11-15) ^b	1
PHAR 503: PDAT 3	2
PHAR 504: PDAT 4	4
Electives ^a	0-2
Total Hours	16-18

Second Year: Spring Semester	Hours
PHAR 414: IPPE – Introduction to Patient Care	2
PHAR 434: Pharmaceutics IV	2
PHAR 439: Pharmacoepidemiology & Biostatistical Reasoning (weeks 1-5) ^b	1
PHAR 440: Evidence-Based Medicine (weeks 6-15) ^b	2
PHAR 505: PDAT 5	4
PHAR 506: PDAT 6	4
Electives ^a	0-3
Total Hours	15-18

Third Year: Fall Semester	Hours
PHAR 415: IPPE-Institutional/Hospital OR PHAR416: IPPE-Amb Care/Community	2
PHAR 520: Clinical Pharmaceutics, Pharmacokinetics, & Pharmacogenomics	3
PHAR 565: Pharmacoeconomics & Payment	2
PHAR 507: PDAT 7	4
PHAR 508: PDAT 8	3
Electives ^a	0-4
Total Hours	14-18

Third Year: Spring Semester	Hours
PHAR 415: IPPE-Institutional/Hospital OR PHAR416: IPPE-Amb Care/Community	2
PHAR 566: Management and Informatics	2
PHAR 567: Pharmacy Law and Ethics	3
PHAR 509: PDAT 9	3
PHAR 510: PDAT 10	3
Electives ^a	0-5
Total Hours	13-18

Fourth Year	Hours
Advanced Pharmacy Practice Experiences – APPE (7 x 6 week APPEs, 4 credit hours each) ^c	28
Total Hours	28

^aStudents are required to take a total of 13 semester hours of didactic electives during the P-1 to P-3 years.

^bModular course. 1-hour course: 3 hours/week x 5 weeks (15 hours/semester). 2-hour course: 3 hours/week x 10 weeks (30 hours/semester)

^cStudents must provide transportation to and from pharmacy practice experiences (IPPE and APPE). Some pharmacy practice experience sites may not be in the Chicago/Rockford area or accessible by public transportation.

DOCTOR OF PHARMACY (PharmD)

Financing your Degree

Tuition, Fees, and Assessments per semester for 2015-2016 Academic Year

PharmD Students	Resident	Non-Resident
Tuition	\$12,460	\$20,180
Fees		
General Fee	438	438
General Service Fee	349	349
Student to Student Fee	3	3
Sustainability Fee	3	3
Health Service	86	86
Health Insurance*	570	570
CTA U-Pass Transportation Fee**	140	140
Assessments		
Academic Facilities Maintenance	327	327
Library and Information Technology	200	200
TOTAL	\$14,621	\$22,296

Tuition and fees are subject to change without notice at any time prior to the first day of instruction.

* With proof of insurance, this fee can be waived.

** Not applicable to Rockford students.

Office of Student Financial Aid

The Office of Student Financial Aid is located in the Student Services Building (SSB) at the corner of Racine and Harrison in Chicago.

Hours: Monday through Friday, 8:30am-5pm

Phone: 312 996 3126

Fax: 312 996 3385

URL: <http://www.uic.edu/depts/financialaid/>



DOCTOR OF PHARMACY (PharmD)

Scholarship Opportunities

The UIC College of Pharmacy offers many scholarship opportunities for new students. These scholarships are applied to tuition and have the possibility of being renewed annually. For more information about these scholarship opportunities, please contact the College of Pharmacy, Office of Student Affairs, at pharmosa@uic.edu.

College of Pharmacy Dean's Academic Excellence Scholarships

The Academic Excellence Awards Program is designed to attract and secure admission of Doctor of Pharmacy students with outstanding academic credentials and professional preparedness.

College of Pharmacy Office of Advancement and Alumni Affairs Scholarships

JACK AND VICKY STRANDHOY SCHOLARSHIP

To be eligible for this \$1000 scholarship, the recipients may have high financial need, may demonstrate high academic achievement, or may be a member of an underrepresented group. The scholarship shall be awarded to incoming P1 students and shall be renewed until they earn their PharmD degree if they remain in good academic standing. The recipients shall be part of a group called the "Strandhoy Scholars."

DUBOW FAMILY FOUNDATION SCHOLARSHIPS

To be eligible for this \$6000 scholarship, the recipient(s) will need a PCAT score in the 90th percentile (or higher) or a pre-pharmacy GPA of no less than 3.5 on a 4 point scale. This scholarship is open to anyone and the recipients will be referred to as the DuBow Scholars. As a recipient of this scholarship, UIC College of Pharmacy will expect you to represent the program in a professional and respectful manner. Finalists for this scholarship will be telephoned for a phone interview.

College of Pharmacy Opportunity Scholarships

The College of Pharmacy values the benefits of a diverse student body. Diversity enriches the academic experience by providing an opportunity to explore different world views, philosophies, and cultural approaches to pharmacy practice and the pharmaceutical sciences. To continue to develop and energize our diverse student body, the College of Pharmacy offers a limited number of scholarships based on criteria such as leadership experiences, unique personal abilities or talents, health care related experiences, racial, ethnic, socioeconomic, geographic and/or intellectual diversity, perspective in overcoming obstacles to academic success or others.

College of Pharmacy Tuition Scholarships

ROCKFORD

To augment the geographic diversity of the student body, the College of Pharmacy offers tuition scholarships for out-of-state students who are committed to completing the PharmD degree on the Rockford Campus. The scholarship gives high-achieving and talented out-of-state students the opportunity to pay an alternate tuition rate equal to the in-state tuition rate.

CHICAGO

To increase the geographic diversity of our student body, the College of Pharmacy offers a limited number of tuition scholarships for out-of-state students who are committed to completing their PharmD degree on the Chicago Campus and who demonstrate their commitment by participating in the PharmCAS Early Decision Program. The scholarship gives high-achieving and talented out-of-state students the opportunity to pay an alternate tuition rate equal to the in-state tuition rate.

College of Pharmacy RPHARM and UPHARM Concentration Scholarships

Scholarships are available for students who demonstrate an interest in serving underserved rural populations and who desire to be a part of the RPHARM Program. Scholarships are available for students who demonstrate an interest in serving underserved urban populations and who desire to be part of the UPHARM Program.

URBAN PHARMACY EDUCATION PROGRAM

The UPHARM Program is designed to introduce students to concepts and issues as it relates to urban public health and primary care practice. Many urban communities qualify as medically underserved and the expectations/hope is that graduates go on to live and practice in urban medically underserved communities.



UPHARM students are those who:

- Enjoy working with people of diverse cultural backgrounds.
- Have been involved in extracurricular activities in urban communities.
- Are interested in the factors that cause and perpetuate health and health care disparities.
- Are interested in complementary and alternative pharmacy modalities.

UPHARM Concentration:

The College established a formal concentration in Urban Pharmacy Services to acknowledge the specialized education and clinical preparation UPHARM Program students complete.

UPHARM Objectives:

- Provide selected students with an understanding of social, environmental, and economic issues that contribute to health disparities in urban settings.
- Provide skills to address the needs of an urban population, including culturally competent communications, physical examination techniques and teamwork.
- Provide cross-cultural clinical skills and knowledge of disease and medical conditions prevalent in urban areas.
- Develop in program participants a commitment to serve as practicing pharmacists and leaders in an urban setting.

For more information contact:

Clara Okorie-Awé, Ph.D., Ed.D

Associate Dean for Diversity and Inclusion

Clinical Associate Professor, Pharmacy Systems, Outcomes & Policy

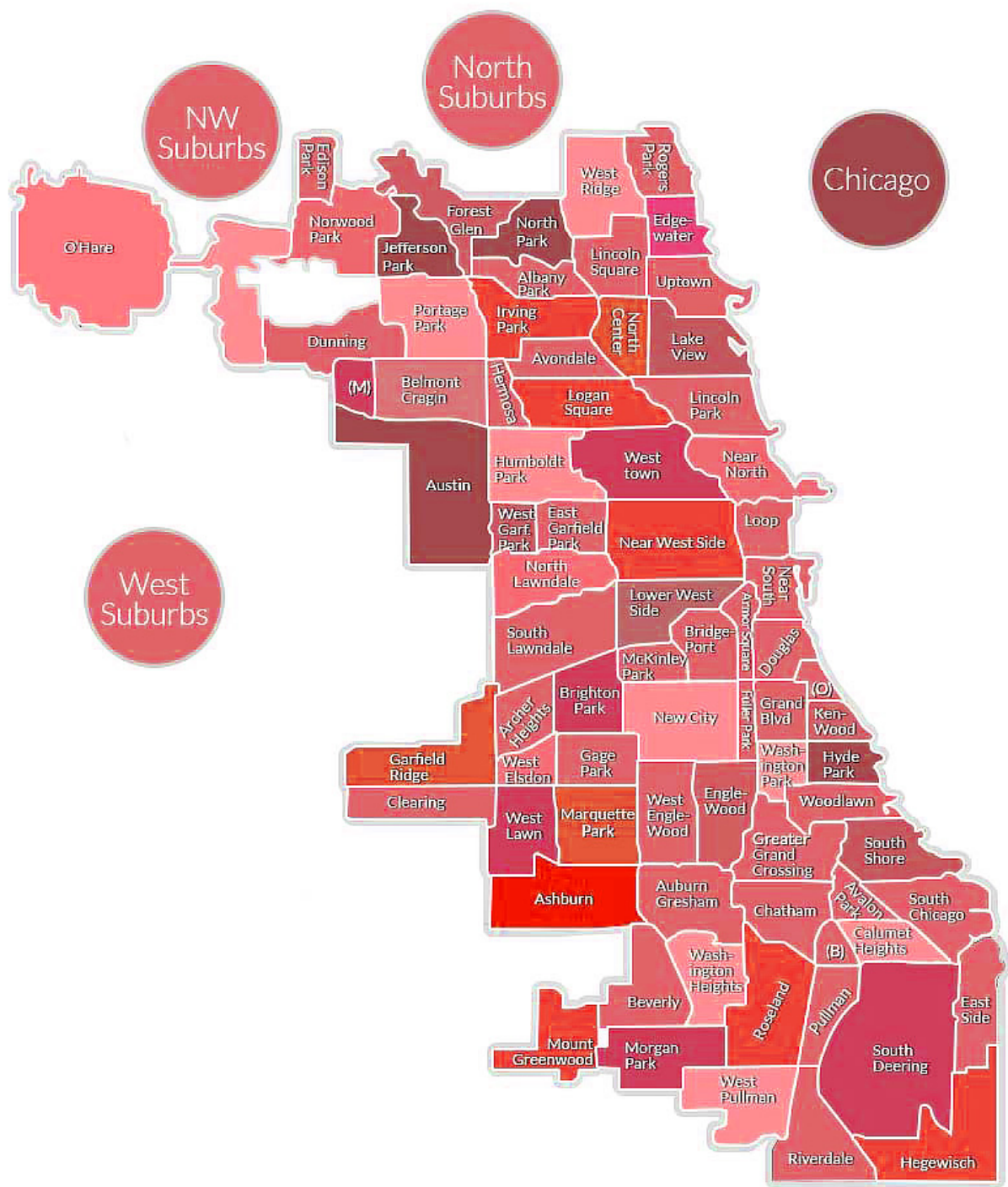
Director of Urban Health Program

312-996-3516

awe@uic.edu

UPHARM Communities:

Our UPHARM students have the opportunity to focus their research and activities within the Chicagoland area.



Heidi Olson, PharmD
Director, Rural Pharmacy Education Program
(RPharm)
Clinical Assistant Professor
Department of Pharmacy Practice
1601 Parkview Ave.
Rockford, IL 61107

Benefits

- ★ Work and learn with medical students for 4 years
 - Same classes
 - Same assignments
 - Become accustomed to working with other health care professionals
- ★ Provides a network of peers and future colleagues that have similar life experiences
 - All students in the program understand the advantages and disadvantages of growing up and living in a small community
- ★ Rural coursework makes up 6 of the 13 required elective credit hours
- ★ Complete half of your 4th year rotations in the same rural community
 - Rotation sites are available throughout the state
- ★ By the time you graduate, you will have:
 - Created a research project
 - Experienced the IRB process
 - Completed a research project, including data collection
 - Presented your research project at Research Day
- ★ Graduate with a PharmD **and** a concentration in rural pharmacy services (*the graduate school version of a minor*)

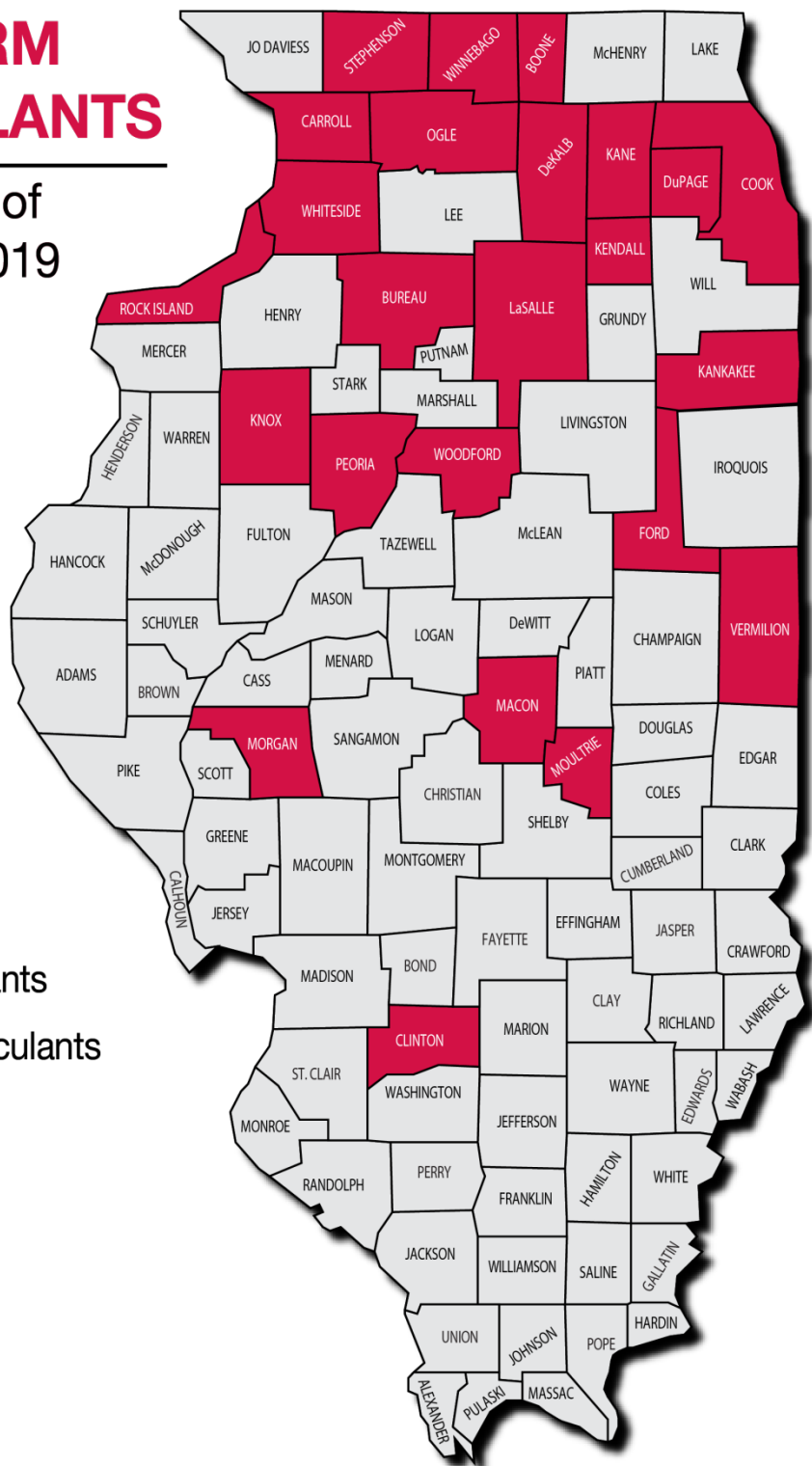
Application Process

1. Indicate interest in rural pharmacy (via supplemental application or other means)
2. Contact the Director of the Rural Pharmacy Education Program
 - a. Heidi Olson, PharmD at holson6@uic.edu
3. Interview with RPharm faculty/staff
4. Receive RPharm Program acceptance letter
5. Sign RPharm pledge

RPHARM MATRICULANTS

Classes of
2014 – 2019

■ Matriculants
□ No Matriculants



PHARMACY CAREER OPPORTUNITIES

Areas of Specialization

Industry

- **Business:** Sales, Marketing, Management
- **Technical/Scientific/Manufacturing:** Product Quality Control, Drug Info/Post-Marketing Surveillance, Regulatory Affairs
- **Research/Development:** Biopharmaceutical Sciences, Basic Research, Clinical Research, Clinical*, Administration, Biological Sciences, Continuing Education, Medicinal Chemistry/Pharmacognosy, Pharmacology, Pharmacy Administration, Pharmacy Practice
- **Administration:** Professional Relations

Community

- **Medical Group/HMO:** Clinical*
- **Independent:** Long-term Care Consultation, Franchise, Medical Building, Home Health Care Center, Pharmacy Office Apothecary, Office-based Practice, Clinical*
- **Chain:** Long-term Care Consultation, Clinical*, Franchise, Medical Building, Home Health Care Center, Pharmacy Office Apothecary

Government

- **Federal:** Food and Drug Administration (FDA), Drug Enforcement Administration (DEA), Veterans Affairs (VA), Department of Health, Armed Services, Clinical*
- **State:** Department of Health, Department of Consumer Affairs, Clinical*

Consulting

- Long-term Care
- Home Health Care
- Clinical*
- Hospital: Clinical*
- Consumer

Institution

- Long-term Care
- Government Facility
- Medical/Dental, Etc.
- Hospital: Nuclear, Chain-owned Pharmacy
- Administration
- Distribution & Control
- Outpatient
- Clinical*

Academia

- Academic Administration
- Biological Science
- Continuing Education
- Medicinal Chemistry/Pharmacognosy
- Biopharmaceutical Sciences
- Pharmacology
- Pharmacy Administration
- Pharmacy Practice: Clinical*

Other

- Legal
- Mail Order
- U.S. Pharmacopeia
- Third-Party Insurance
- Computer Technology
- Trade Journal
- Wholesaling
- Pharmacy Association

There are over 80 careers in the field of pharmacy.
The median annual wage for pharmacists is \$120,950 (2014).

Clinical*: Adult Medicine, Ambulatory, Critical Care, Drug Information, Emergency Room, Geriatrics, Infectious Diseases, Internal Medicine, Intravenous Drug Therapy, Medical Oncology, Nutrition, Pediatrics, Pharmacokinetics, Poison Control, Psychiatric

Sources:
Glaxo Pathway Evaluation Program®
Bureau of Labor Statistics