

Pharmacy School ADMISSION REQUIREMENTS

2011–2012

Admission information for professional
pharmacy degree programs

The PSAR is designed to provide the most up-to-date information about each school, including specifics about admission requirements, selection factors, and educational costs for students entering pharmacy school in fall 2011. In each case, the information represents the best estimates of future requirements and costs for each school. The schools, however, are not bound by these estimates. Please contact the schools individually for actual data.

The American Association of Colleges of Pharmacy gratefully acknowledges the efforts of those individuals at each school who made this publication possible.

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The American Association of Colleges of Pharmacy (AACP), founded in 1900, is the national organization representing the interests of pharmacy education in the United States. AACP membership consists of all colleges and schools of pharmacy with professional degree programs recognized by the Accreditation Council for Pharmacy Education, more than 5,500 full-time faculty and deans, and other individuals interested in pharmaceutical education. The mission of the Association is to promote the advancement of pharmaceutical education, research, patient care and public service.

For additional information about the American Association of Colleges of Pharmacy, please contact us at 1727 King Street, Alexandria, VA 22314, 703-739-2330, or visit our Web sites at www.aacp.org and www.pharmcas.org.

This is an extraordinary time to be considering a career in pharmacy. Our nation's health care system is in the process of making some of the most significant changes in decades. Patient-centered care that is delivered by teams of professionals working together is now the focus of health delivery systems committed to improving how health care works. The thousands of medications, including prescription, nonprescription and other health-related products, used to prevent and treat illness today must be managed by a *medication use specialist*. That is what pharmacy education prepares you to become and the possibilities to use that knowledge are limitless.

This issue of *Pharmacy School Admissions Requirements* (PSAR) provides a guide for your review and selection of the college or school of pharmacy that best suits your college plans. The individual school narratives provide detailed information on pre-professional course requirements, curriculum and other aspects of admissions for more than 100 institutions. The publication also includes characteristics of degree programs, tuition rates, admission policies and application deadlines to further assist individuals interested in pursuing a degree in pharmacy.

The recognition that patients need help managing their medication therapy is growing and pharmacists' roles are changing in our health care system. Colleges and schools of pharmacy prepare students to deliver patient-centered care as part of teams of health care providers. As an integral team member you will draw upon a vast knowledge of medications and how to use them properly. You will provide patient education and medication monitoring activities. By providing immunizations and health screenings, you contribute to improving the public's health. As a medication use specialist, you help reduce the incidence of medication errors and patient harm. Pharmacists work in their communities and around the world as leaders and agents of change to improve access to quality health care for all.

AACP encourages you to work hard in preparation for the exciting career opportunities that await you. The return will be substantial in terms of your professional fulfillment in service to society as you make a true difference in the lives of others.



Lucinda L. Maine

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Executive Vice President and CEO
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General Information

An Introduction to Pharmacy

As a profession, pharmacy exists to serve the needs of society, most often represented as the needs of individual patients. Pharmacy's ultimate goal is to render pharmaceutical care. Pharmaceutical care encompasses the full range of pharmacists' skills, knowledge and abilities in providing medication services to patients. The principal goal of pharmaceutical care is to achieve definite outcomes from medication use that improve patients' quality of life. These outcomes include: 1) cure of a disease; 2) elimination or reduction of symptoms; 3) arresting or slowing a disease process; 4) prevention of disease; 5) diagnosis of disease; and 6) desired alterations in physiological processes, all with minimum risk to patients. Pharmacists are professionals, uniquely prepared and available, committed to public service and to the achievement of this goal.

Historically, the functions of the pharmacist centered on the preparation and provision of a drug product to a patient. However, in recent times, the scope of the pharmacist's activities has expanded to include consultation with physicians and other health professionals in the process of pharmacotherapeutic decision making; selecting an appropriate dosage form for a given patient; determining the dose and dosage schedule; preparing the medication for administration to the patient; providing information about the medication to the patient; advising the patient to assure the medication is used correctly for maximum effectiveness; and monitoring the patient to prevent or detect harmful side effects. Pharmacists, in collaboration with other health professionals, have the responsibility of assuring optimal outcomes from drug therapy for their patients.

An expanding need for pharmacists is shown by examining some of society's significant social and health issues. These issues include increases in average life span, the percentage of elderly in the population, and the increased incidence of chronic diseases; the increased complexity, number and sophistication of medications and related products and devices; increased emphasis on primary and preventive health services, home health care, and long-term care; and concerns about improving patients' access to health care, controlling its cost, and assuring its quality. The role of medications and their proper use is found throughout these issues and pharmacists are at the center of the system addressing them.

The pharmacist is the most accessible member of the health care team. A pharmacist is often the first health professional with whom patients will confer regarding a health question and is likely to be the final one with whom patients consult about their medications and their use. Today's pharmacist must not only dispense prescriptions, but also communicate information and provide medication-related primary health care.

Accredited Professional Programs of Colleges and Schools of Pharmacy

The Accreditation Council for Pharmacy Education (ACPE) is the sole accreditation agency recognized by the U.S. Department of Education to accredit professional degree programs in pharmacy. Therefore, ACPE's directory is the only directory of accredited professional degree programs in pharmacy recognized by the U.S. Department of Education. For students and prospective students, accreditation assists in the transfer of credits among institutions and provides an assurance that a program has been found to provide satisfactory educational preparation for licensure and practice.

The types of accreditation include initial or continued accreditation and preaccreditation, which is broken down to Precandidate status and Candidate status. The professional degree program of a college or school of pharmacy is granted initial or continued accreditation if it has been demonstrated to the satisfaction of ACPE that the program complies with accreditation standards. This includes the appropriateness of the program's mission and goals, the adequacy of resources and organization to meet the mission and goals, outcomes which indicate that the mission and goals are being met, and the reasonable assurance of the continued compliance with standards.

In the event that the ACPE Board of Directors determines a program is not in compliance with a standard or standards, the program will be notified in writing of its non-compliance and given a period not longer than two years to bring all aspects of non-compliance into compliance with ACPE accreditation standards. Generally, if after one year of notification of non-compliance, the program fails to demonstrate adequate progress towards achieving compliance with ACPE standards, ACPE will place the program on probation.

A newly instituted Doctor of Pharmacy program of a college or school of pharmacy must be granted each of the two preaccreditation statuses at the appropriate stage of its development. The standards are the same as those employed for accredited status. However, preaccreditation involves, in large measure, planning in accord with standards and provision of reasonable assurances for a quality outcome. It should be noted that a new program must achieve precandidate accreditation status prior to the enrollment of students. Failure to do so will preclude consideration for ACPE accreditation until after graduates have been produced, at which time a program could be considered for full accreditation status. As these first graduates would emerge from a program with no accreditation status, they may not be eligible for licensure as pharmacists.

A new program that has no students enrolled but that meets the eligibility criteria for accreditation may be granted Precandidate accreditation status. The granting of Precandidate status indicates that a college or school's planning for the Doctor of Pharmacy program has taken into account ACPE standards and guidelines and suggests reasonable assurances of moving to the next step, that of Candidate status. Granting of Precandidate status brings no rights or privileges of accreditation. Full public disclosure by the college or school of pharmacy of the terms and conditions of this accreditation status is required.

Once students have enrolled in a new program, but the program has not had a graduating class, the program may be granted Candidate status. The granting of Candidate status denotes a developmental program, which is expected to mature in accord with stated plans and within a defined time period. Reasonable assurances are expected to be provided that the program may become accredited as programmatic experiences are gained, generally, by the time the first class has graduated. Graduates of a class designated as having Candidate status have the same rights and privileges as graduates of an accredited program.

Career Options

Pharmacists provide pharmaceutical care in a variety of settings. Most visible is the community pharmacist who practices in the local, independently-owned pharmacy, chain pharmacy, pharmacy department in a food or discount store, or professional health center. Other practice opportunities exist for pharmacists in hospitals, home health care, nursing homes and extended care facilities, neighborhood health centers, and health maintenance organizations. In all these practice settings, pharmacists are responsible for direct patient care. They manage systems designed to assure that each patient receives the appropriate medication in the correct form and dosage, at the correct time, and that the patient understands the intended and proper use of the medication.

Pharmacists are also employed by firms that discover, develop and produce chemicals, prescription and nonprescription drugs, and other health products. Pharmacists in the pharmaceutical industry conduct research, develop and market products, maintain quality control, and administer programs.

Many of the more than 5,500 full-time faculty members who work in the nation's 120 colleges and schools of pharmacy are pharmacists. In general, all participate in teaching students, conducting research, providing patient care, and/or participating in public and professional service activities (e.g., act as consultants for local, state, national, and international agencies and organizations). To quote one current pharmacy faculty member, "Perhaps no other job in pharmacy has such far-reaching effects on the profession as that of an educator. It is in academia that one can excite young people about pharmacy and lay the groundwork for continuing advances in the field."

In government, pharmacists hold staff and supervisory posts in the United States Public Health Service, the Department of Health and Human Services, the Department of Veterans Affairs, the Food and Drug Administration, and the Armed Services. Some pharmacists perform highly specialized tasks such as advertising, technical writing, magazine editing, and science reporting. Pharmacists with legal training serve as patent lawyers or experts in pharmaceutical law. There are pharmacists in America's space laboratories and aboard ships such as the S.S. Hope; others direct manufacturing firms or specialize in medicinal plant cultivation. In short, today's pharmacy graduates have an enormous variety of careers open to them that draw upon the expertise gained from a pharmaceutical education.

Educational and Degree Options

A sound high school and college education in math and science is essential in preparing for the study of pharmacy. Also, good communication skills are important in the study and practice of pharmacy, and a broad general education in the social sciences and humanities is important preparation for anyone. When preparing an application to a college or school of pharmacy, consult early with the dean or admission's counselor.

The structure of the pharmacy programs vary from college to college. Some colleges require one, two, or three years of prepharmacy education, while others require a Bachelor's degree and others integrate the curriculum with all years of study in the professional college. Preprofessional education may be taken at any approved junior college or university. Additionally, some colleges offer alternative enrollment options, including part-time enrollment and year-round classes. School specific structure options are listed in table 1 on pages xxx-xxx.

In July 1992, a majority of the nation's schools and colleges of pharmacy voted to move toward awarding the doctor of pharmacy (Pharm.D.) degree as the only professional degree in pharmacy. In June 1997, the Accreditation Council for Pharmacy Education (ACPE), the accrediting agency for pharmacy programs in the United States, adopted new accreditation standards and guidelines. As a result of the Implementation Procedures published by the ACPE, the B.S. in Pharmacy degree is no longer offered to new students. New students who wish to practice pharmacy in the U.S. must earn a Pharm.D. degree from an accredited college or school of pharmacy and pass a state board examination.

A Pharm.D. degree requires at least four academic years (or three calendar years) of professional study, following a minimum of two years of preprofessional study. Individual schools have specific requirements for preprofessional study. The majority of students enter a pharmacy program with three or more years of college study.

The pharmacy curriculum is designed to produce a scientifically and technically competent pharmacist who can apply this training in such a manner as to provide maximum health care services to patients. The Pharm.D. program provides the opportunity for students to gain experience in patient-centered learning experiences and in working in close, cooperative relationships with health practitioners. It is the goal of all pharmacy schools to prepare pharmacists who can assume responsibilities in the care of patients and assure the provision of rational drug therapy.

General Information

After graduating from pharmacy school, increasing numbers of students are seeking residency training in institutional and community pharmacy practice. These residency programs may be in pharmacy practice or specialty areas, depending upon personal interests and specific career requirements. Completion of a pharmacy residency is sometimes a requirement for employment in hospital pharmacy practice or clinical faculty positions.

Students with a pharmacy degree, or with a baccalaureate in another science-based discipline, can pursue graduate work in one of pharmacy's several scientific disciplines and earn a Master of Science (M.S.) and/or Doctor of Philosophy (Ph.D.) degree. The M.S. and Ph.D. degrees are research-oriented degrees and do not prepare the student to become a licensed pharmacy practitioner.

Pharmacy College Application Service (PharmCAS)

In an effort to simplify the application process for prospective student pharmacists and encourage more students to consider pharmacy as a career option, AACP launched the Pharmacy College Application Service in 2003, for students interested in applying to schools and colleges of pharmacy. This centralized service allows applicants to use a single application process to apply to multiple entry-level Doctor of Pharmacy degree programs. PharmCAS benefits AACP member institutions, applicants and the AACP office by facilitating the pharmacy admissions process, student recruitment, and data collection. PharmCAS is a service of AACP and is administered by Liaison International, Inc., an information technology and consulting company. There are 91 pharmacy institutions participating in PharmCAS for 2011 enrollment.

PharmCAS is intended for first-year professional pharmacy degree applicants only. High school students, B.S. of Pharmacy degree graduates, and current student pharmacists who wish to transfer to another pharmacy degree program should contact institutions directly for instructions.

Applicants who apply through PharmCAS will submit a completed Web-based application comprised of biographical data, post secondary institutions attended, academic course history, work experience, extracurricular activities, and a personal statement. Applicants must also arrange for PharmCAS to receive an official transcript from all U.S. accredited institutions attended, and the required fee. Applicants may log onto the PharmCAS application to edit personal application data as often as desired until the final application is submitted to PharmCAS. It is the applicant's responsibility to read and follow all PharmCAS and institution-specific instructions.

PharmCAS will consider an application complete and begin to process it once the following materials are received:

- Complete PharmCAS application
- Sealed official transcripts from every U.S. college/university attended
- Correct PharmCAS application fee

PharmCAS also collects the following additional materials, if required by the applicant's designated pharmacy schools:

- Letters of reference
- Foreign Transcript Evaluation Report (if required by the school)
- PCAT, TOEFL, and TSE scores (if required by the school)

If an applicant's designated PharmCAS school requires the PCAT, TOEFL and/or TSE; the applicant must request the testing agency to release the test scores directly to PharmCAS.

Pharmacy College Admission Test (PCAT)	PharmCAS Code 104
Test of English as a Foreign Language (TOEFL)	PharmCAS Code 8246
Test of Spoken English (TSE)	PharmCAS Code 8246

Pharmacy programs may require applicants to send additional fees and/or application materials directly to the institution, including supplemental applications. Failure to submit all required materials as instructed may jeopardize an applicant's eligibility for admission consideration.

For the latest PharmCAS information or to create an application account, please contact the PharmCAS office directly:

Pharmacy College Application Service
P.O. Box 9109
Watertown, MA 02471
PharmCAS Hotline: 617-612-2050
TTY Phone: 617-612-2060
info@pharmcas.org
www.pharmcas.org

The Pharmacy College Admission Test (PCAT)

A few of the 120 colleges of pharmacy require the Scholastic Aptitude Test (SAT) or the American College Testing Assessment (ACT) for admission. More than two-thirds also require or recommend the Pharmacy College Admission Test (PCAT). Specific admission requirements for each school are listed in tables 9 and 10 on pages 258–262. The cost of the 2010–2011 PCAT exam is \$150.00 for online application or \$200.00 for paper application. Upcoming test dates are October 16, 2010 and January 22, 2011.

For information, application deadlines and test dates for the PCAT, contact:

Pearson

PSE Customer Relations—PCAT

19500 Bulverde Road

San Antonio, TX 78259

1-800-622-3231 or 210-339-8710

Fax: 1-888-211-8276 or 210-339-8711

scoring.services@pearson.com

Monday–Friday, 8:30 a.m. to 5:00 p.m. Central Standard Time

www.pcatweb.info

If you are planning to apply to a PharmCAS participating school for enrollment in fall 2011—AND—your designated pharmacy institution requires the PCAT, request Pearson to release your test scores directly to CODE 104. You do NOT need to send your PCAT scores to PharmCAS schools directly.

Financial Assistance

The American Association of Colleges of Pharmacy (AACP) does not administer any financial assistance programs. Federal and state grants and scholarships, although widely available, are generally reserved for the most economically disadvantaged students. You should investigate with your college financial advisors your eligibility for federal, state and local programs. Examples of federal financial aid programs include:

- Pell Grants and Supplemental Education Opportunities Grants—federal scholarships available for the neediest undergraduate students.
- College Work Study Program—a combination of federal and local school funds used to pay salaries for students who work on campus.
- National Direct Student Loan Program—a campus-based, low interest bearing loan program for undergraduate students.
- Federal Family Education Loans—loan programs administered by local banking institutions.
- Health Professions Student Loans—loan program for which student pharmacists are eligible.

Your college or high school advisors are often the best sources of information about loan, grant and scholarship programs. Additionally, organizations and the colleges themselves may offer financial assistance. You may also find information about financial assistance at www.explorehealthcareers.org.

In Summary

If you are looking for a challenging and rewarding career within the health professions, consider pharmacy. Be sure that your academic background provides a solid foundation for the pharmacy curriculum, and take the time to investigate the variety of pharmacy programs that are available to you. In addition to the basic issues of tuition, application fees and prerequisites, it might be helpful if you inquire about the following issues as they relate to the various programs:

- The current accreditation status of the college's professional program(s)
- The number of faculty members and administrators and student-to-faculty ratio
- Physical and clinical facilities, library resources, and student support services
- Admission criteria and policies including limitations on class size
- Academic standards and progression policies
- Curricular structure
- Graduation requirements
- Available scholarships and other forms of financial aid and the definition of residency status
- Availability of out-of-classroom learning opportunities
- Social and cultural activities available

The individual school information that follows will provide you with a good start in assessing the different programs. Additionally, the tables on pages 241–270 will be helpful as you compare many of the factors upon which you might base your decision to apply to specific schools. Once you have decided upon the schools that you would like to attend, contact the admissions officers for more up-to-date and specific information.

Pharmacy School

ADMISSION REQUIREMENTS

Individual School Information

Auburn University

Harrison School of Pharmacy

Accreditation Status: *Full*
Type of Institution: *Public*
Main Campus: *Auburn, AL*
Branch Campus(es): *Mobile, AL*
Satellite Program(s): *Mobile, AL*



General Information

Auburn University is located on an 1871 acre campus in Auburn, Alabama, near Interstate 85. It was founded in 1856 and became a land-grant institution in 1872. Pharmacy at Auburn began in 1885 with preparatory courses in alkaloidal assay and toxicology. A five-year curriculum was adopted in 1960. An optional doctor of pharmacy degree program was initiated in 1990. In 1997 the doctor of pharmacy degree was initiated as the sole entry-level professional degree. In 2002, the School was named the James I. Harrison Sr. School of Pharmacy in honor of Mr. Harrison, Sr., a graduate of the School, who with his son founded the Harco Drug chain.

The pharmacy program was a part of the School of Chemistry and Pharmacy until it became a separate administrative unit in 1941. A new facility, Miller Hall, was dedicated as the home for the School of Pharmacy in 1952. Pharmacy now occupies a modern building that was dedicated to pharmacy in 1976 and was equipped with funds contributed by alumni and friends. A new education and clinic wing was opened in January 2006, which significantly enhances the Walker Building's educational facilities. In August 2007, a satellite campus was opened in Mobile, Alabama in facilities located on the University of South Alabama campus. These facilities replicate those available to student pharmacists on the main campus.

Student pharmacists can participate in a variety of organizations and professional fraternities. The Pharmacy Student Council is designed to coordinate the activities of the several organizations within the Harrison School of Pharmacy, to assure student input into decisions within the School, and to promote professionalism. Entering student pharmacists agree to abide by the School's Code of Ethical and Professional Conduct, Standards of Attire, Covenant Between Students and Faculty, and other School policies governing professional and academic behavior.

Most student pharmacists, at both the Auburn and Mobile campuses, prefer to live off campus in apartments, mobile homes and rooms in private houses. These arrangements may be made directly with landlords or through rental agencies.

Mission/Vision

The Harrison School of Pharmacy was established to serve the broad interests of the citizens of the State of Alabama which now extend into the global community. The School pursues its mission in the Land Grant tradition through: (1) Teaching and learning which prepare a diverse student body to be competent pharmacists and scientists who are able to provide and improve primary health care to Alabama's citizens by: a) Collaborating with other health professionals in providing high quality drug treatment; b) Influencing the development of public health policy related to drug treatment; c) Promoting wellness and assisting in improved access to cost effective, primary care; d) Participating in health care research; e) Engaging in specialized and general education throughout their professional careers; and f) Contributing to the professional education of students who are future health care providers. (2) Research that enhances the health and quality of life of Alabama's citizens by: a) Participating in the development of new drugs; b) Improving the use of existing drugs; c) Creating innovative services and products; d) Designing and evaluating the delivery of pharmaceutical care; e) Improving the outcomes of pharmaceutical education; and f) Re engineering pharmaceutical care delivery systems. (3) Outreach to Alabama's citizens, health care providers, businesses, industries and agencies by: a) Delivering pharmaceutical care; b) Offering curriculum based education for current health care providers; c) Disseminating medical information and results of research; d) Applying knowledge and technologies; and e) Influencing public health policy regarding the use of pharmacotherapy in provision of health care.

The Harrison School of Pharmacy has a unique leadership responsibility: to enhance the education of health professionals; to inform the public about pharmacists and pharmaceutical care; to collaborate in solving health problems in Alabama communities; and to enhance the State's economic development.

Curriculum

The Auburn Pharm.D. degree program is a four-year course of study which requires completion of the prepharmacy curriculum prior to enrollment. Consistent with accreditation standards and guidelines, the curriculum provides an appropriate balance of coursework in the five following areas: 1) biomedical sciences, 2) pharmaceutical sciences, 3) behavioral, social, and administrative sciences, 4) pharmacy practice, and 5) pharmacy practice experiences. The goal of this curriculum is to prepare graduates who can provide pharmaceutical care and are lifelong learners. To accomplish this, the curriculum involves student pharmacists in continuous patient care which commences at the beginning of the first professional year. Student pharmacists are expected to participate as active self-directed learners in interdisciplinary coursework. The experiential component of the curriculum is taught at various affiliated clinical sites throughout Alabama, and in Georgia and Florida.

Auburn's student pharmacists are required to participate in activities beyond course requirements. These activities provide an environment where students can develop the knowledge, attitudes, and values that characterize a professional practitioner. Examples of these activities include: orientation to pharmacy school, professional seminar series, self tutorial reviews, and cardiopulmonary resuscitation certification. Each entering student pharmacist is required to own a notebook computer that meets the School's specifications.

Prerequisite Courses

Course	Semester Hours
Principles of Biology with Lab	4
English Composition	6
General Chemistry with Lab	8
Organic Chemistry with Lab	8
Calculus	4
Physics (<i>Calculus or Trigonometry based</i>).	4
Anatomy and Physiology	8
Core Social Sciences	6
Statistics (<i>Math or Biostat emphasis</i>).	3
Core History	6
Core Fine Arts	3
Core Literature	6
Ethics	3
Genetics or Genomic Biology	4
Biochemistry	3
Microbiology with Lab	4
Immunology	3
Mammalian, Human or Vertebrate Physiology	4–6

Statistics for 2010 Entering Class Acceptees

Number interviewed:	209
Number accepted:	185
Estimated entering class size:	150
Estimated male (%):	38%
Estimated female (%):	62%
Estimated out-of-state (%):	23%

Application Process and Requirements

Participates in PharmCAS: Yes
Deadline for receipt of applications: March 1
Supplemental application required: Yes
Supplemental application fee: \$50
Expected GPA: 3.2
Minimum overall GPA considered: 2.5
Minimum prerequisite GPA considered: 2.5
PCAT required: Yes
Minimum PCAT scores considered: 40th percentile
Oldest PCAT scores considered: No limit
Interview required: Yes

Admission Requirements

Individuals desiring to complete the pre-pharmacy curriculum at Auburn University should apply to the Admissions Office, Auburn University, AL 36849.

To be considered for admission to the Harrison School of Pharmacy, applicants must: 1) be eligible for admission to Auburn University, 2) be able to complete all Auburn University's prepharmacy requirements (this includes all of Auburn's Core Curriculum Requirements) prior to the date of enrollment in the Harrison School of Pharmacy, 3) have acceptable grade-point averages based on all courses as well as when science courses are separately considered, 4) have acceptable scores on the Pharmacy College Admissions Test (PCAT), and 5) have an acceptable admission interview. Six semesters of college academic work are generally required to complete the School's prerequisites. Applicants are encouraged to obtain a baccalaureate degree prior to entering the School.

Applications to the Harrison School of Pharmacy are processed through the Pharmacy College Admissions Service (PharmCAS). Students must complete the online application according to the directions, submit required application fees, and have all academic transcripts and PCAT scores for-

warded to PharmCAS. The Harrison School of Pharmacy also requires a supplemental application and fee.

Applicants selected after an initial screening will be invited to campus for a required interview. Applicants are evaluated on potential academic abilities, communication skills, and adaptability to the profession of pharmacy. Successful applicants must demonstrate effective interpersonal skills and an aptitude to enter a caring profession. Students are admitted once a year for an entering class that begins fall semester. The deadline for applications is March 1, although priority consideration is given to applications submitted earlier. Applicants who fail to meet the March 1 deadline must apply via PharmCAS for admission to the following year's class. Although the majority of students are Alabama residents, superior students from other states are encouraged to apply and are admitted.

Other Programs

Graduate studies programs offered by the Harrison School of Pharmacy include the following:

- Master of Science in Pharmacal Sciences
- Master of Science in Pharmacy Care Systems
- Doctor of Philosophy in Pharmaceutical

Sciences (Interdepartmental Program between the two departments)

These programs are designed to prepare individuals for careers in academia, the pharmaceutical industry, public and private research institutes, and public policy. Areas of study in the Pharmacal Sciences include medicinal chemistry, pharmacology, toxicology, and pharmaceuticals. Pharmacy Care Systems has unique programs for individuals interested in professional communications, economics, informatics, facilities design and management, and detection and prevention of medication errors.

For Further Information

Office of Academic and Student Affairs
 Harrison School of Pharmacy
 2316 Walker Building
 Auburn University, AL 36849-5501
 334-844-8348
 www.pharmacy.auburn.edu

Samford University

McWhorter School of Pharmacy



Accreditation Status: *Full*
Type of Institution: *Private*
Main Campus: *Birmingham, AL*
Branch Campus(es): *None*
Satellite Program(s): *None*

General Information

Samford University, founded in 1841, related to the Alabama Baptist State Convention and Alabama's largest private institution of higher education, exists to provide the opportunity and the stimulus for each student to secure a broad and academically sound education in a positive Christian environment. The pharmacy program was founded in 1927 in response to the requests of pharmacists in the Birmingham area. The parent institution relocated its campus in 1957 from its eastern Birmingham location to about six miles south of the heart of the city and its world-class medical center. The existing diversity of degree programs resulted in Howard College's official elevation to university status in 1965. The Division of Pharmacy was designated the School of Pharmacy. The school was named the McWhorter School of Pharmacy in 1995, in recognition of alumnus R. Clayton McWhorter's gift of \$10,000,000. The McWhorter School of Pharmacy complex is housed in Ingalls and Russell Halls providing 50,000 square feet of state-of-the-art teaching and laboratory facilities. The McWhorter School of Pharmacy offers a modern program of professional pharmaceutical education combined with cultural experiences in the arts, humanities and sciences. To promote camaraderie, professionalism, and awareness of the important issues of the profession, the McWhorter School of Pharmacy also provides nine student pharmacy organizations as opportunities for student involvement.

Mission/Vision

The Mission of the Samford University McWhorter School of Pharmacy is to nurture and prepare pharmacists by providing exemplary education to improve society's health and the well being of humankind, as provided in a Christian context and shown through example, scholarship, and service to others.

The Vision of the Samford University McWhorter School of Pharmacy is to challenge pharmacists continually to improve the health of society by exhibiting the highest standards of quality in teaching, scholarship and service and to assume the leadership role among schools of pharmacy in meeting the challenges of health care in the future.

Curriculum

The pharmacy curriculum at Samford University McWhorter School of Pharmacy is a six year program leading to the doctor of pharmacy (Pharm.D.) degree. The 2+4 year program may be completed in its entirety at Samford University or the professional curriculum may be entered following two years of acceptable prepharmacy work at an accredited university, college or junior college. (A prior baccalaureate degree is preferred).

Admission Requirements

The applicant for the Pharm.D. degree must complete all prepharmacy courses with a minimum overall and math/science grade point average of 2.75/4.0. To make application to the McWhorter School of Pharmacy, the applicant must complete the national on-line application for pharmacy at www.pharmacas.org. Official transcripts, essay, and other credentials are sent to PharmCAS and then forwarded to the McWhorter School of Pharmacy. Additionally, the PCAT and ACT or SAT scores are required. The ACT or SAT score is sent directly to the McWhorter School of Pharmacy - not PharmCAS. The ACT/SAT is waived if the applicant has a prior B.S. or B.A. degree, is over thirty years of age, or English is the applicant's second language. In order for an applicant to be considered for admission, all admission materials must be submitted by February 1. The ratio of applicants to acceptances is greater than 10:1. Applicants should access the MSOP Web site and print the supplemental forms specific to this pharmacy school: <http://pharmacy.samford.edu>.

All students are admitted in the fall semester. The Pharmacy Admissions Committee begins reviewing completed applications in January with interview invitations offered to a select number of applicants. An on-campus (at the applicant's expense) interview is required before an applicant can be considered for acceptance. A \$450 nonrefundable tuition deposit will be required of accepted students within three weeks of notification of the Admissions Committee decision.

*Transfer students who require more than 30 semester hours at Samford must complete Samford's religion requirement. Others transferring are exempted from the requirement.

Any deviation from the professional curriculum must have the approval of the Pharmacy Curriculum Committee and the dean.

For Further Information

Bruce Foster
Director of Professional Affairs and Pharmacy Admissions
McWhorter School of Pharmacy
Samford University
800 Lakeshore Drive
Birmingham, AL 35229
205-726-2982
<http://pharmacy.samford.edu>

Prerequisite Courses

Course	Semester Hours
English Composition	6
General Chemistry	8
Organic Chemistry	8
Anatomy and Physiology	8
Microbiology	4
Calculus I	3
Elementary Statistics	3
Literature	3
Public Speaking	3
World History or Western Civilization	3
Sociology or Psychology	3
Physical Education Activity	2
Survey of Old Testament or New Testament* ..	3
Additional Liberal Arts Electives	9

*Transfer students who complete more than 30 semester (pre-pharmacy) hours at Samford must complete the religion requirement. Other transfer applicants are exempted from the requirement.

Statistics for 2009 Entering Class Acceptees

Number interviewed:	259
Number accepted:	173
Estimated entering class size:	128
Estimated male (%):	37%
Estimated female (%):	63%
Estimated out-of-state (%):	45%

Application Process and Requirements

Participates in PharmCAS: Yes
Deadline for receipt of applications: February 1
Supplemental application required: Yes
Supplemental application fee: \$50
Expected GPA: 3.2
Minimum overall GPA considered: 2.75
Minimum prerequisite GPA considered: 2.75
PCAT required: Yes
Minimum PCAT scores considered: 40th percentile
Oldest PCAT scores considered: 3 years
Interview required: Yes

Midwestern University

College of Pharmacy–Glendale

Accreditation Status: *Full*
Type of Institution: *Private*
Main Campus: *Glendale, AZ*
Branch Campus(es): *None*
Satellite Program(s): *None*



General Information

Midwestern University operates campuses in Glendale, Arizona (in the metropolitan Phoenix area) and in Downers Grove, Illinois (a western suburb of Chicago). MWU also administers two colleges of osteopathic medicine, a college of health sciences, a college of dental medicine and a college of optometry. The University is accredited by The Higher Learning Commission, a Commission of the North Central Association (NCA) of Colleges and Schools.

Midwestern University's outstanding reputation in the field of healthcare education has developed from its commitment to meeting the health care needs of society. In alignment with the University and College missions, the College of Pharmacy Glendale provides medication therapy management, specialty compounding, and drug information services at the new MWU multidisciplinary clinic. Alongside with physicians, podiatrists, clinical psychologists and other health care providers, pharmacy students learn how to provide patient centered care as part of an interprofessional health care team.

The 143 acre MWU Glendale Campus includes state-of-the-art facilities in a serene Southwestern setting. Cholla Hall features two lecture auditoria, a pharmacy practice laboratory, a computer workshop laboratory, research laboratories, and multiuse classrooms as well as administrative and faculty offices. Sahuaro Hall features a library and computer lab in addition to academic facilities for the medical school and allied health programs. The Barrel Hall complex houses student services personnel and student lounges and the Wellness Center houses a gymnasium and weight room. A one and two bedroom student apartment complex allows students to take advantage of the academic and social resources of the campus community in a comfortable environment.

Believing that well-rounded individuals make more caring health care professionals, Midwestern University offers students a variety of social, academic, and personal enrichment activities. Pharmacy students are encouraged to gain hands-on experience through community service initiatives and professional association activities.

Mission/Vision

The mission of Midwestern University College of Pharmacy Glendale (MWU CPG) is to educate students to be highly competent, caring and ethical pharmacists. Our dynamic curriculum will develop our graduates to be critical thinkers and lifelong learners who can practice successfully in a changing healthcare environment. These pharmacists will contribute to the health of patients, the well being of society, and the advancement of the profession of pharmacy. MWU CPG embodies a spirit of community in which cooperation, trust, and mutual respect are valued elements. In this positive learning environment, the college achieves its mission by striving for excellence in teaching, critical inquiry, service, community outreach, and personal development.

Curriculum

The College of Pharmacy-Glendale (CPG) offers an innovative, three-year program leading to the Doctor of Pharmacy (Pharm.D.) degree. After two years of preprofessional training at an accredited college or university, students complete their final three years of study at CPG. This three-year, full-time, year-round program reduces the number of calendar years of study and allows quicker entry into professional careers.

The College emphasizes a patient-oriented approach to pharmacy practice, stressing communication skills, problem-based learning, and practical experience. The curriculum features early clinical experiences, allowing

students to visit community and institutional sites. The design of the experiences is integrated, so students are introduced to practical pharmacy experience while they are taking didactic course work.

For newly admitted students, a mandatory orientation is held during the first week in June 2011 and classes begin during the second week in June 2011. All prepharmacy coursework requirements must be completed before the newly admitted student starts classes at the College of Pharmacy-Glendale.

Admission Requirements

CPG uses the Pharmacy College Application Service (PharmCAS) (www.pharmacas.org) for all admissions. This centralized service allows applicants to use a single application and one set of official U.S. and/or Canadian transcripts to apply to multiple Pharm.D. degree programs. Applicants will complete the web-based application and submit official transcripts and PCAT scores directly to PharmCAS. The PharmCAS application deadline is January 5, 2011. A college supplemental application is also required. These are obtained from the University Admissions Office and the submission deadline is February 15, 2011.

To be considered for admission to CPG, a prospective student must:

1. Complete, or be in the process of completing, 62 semester hours or 90 quarter hours of nonremedial, prerequisite course work from a regionally accredited U.S. college or university. The student must earn a grade of C or better in each prerequisite course.
2. Earn a minimum cumulative grade point average of 2.50 on a 4.00 scale and a science cumulative grade point average of 2.50 on a 4.00 scale.
3. Submit scores from the Pharmacy College Admissions Test (PCAT) to PharmCAS. The PCAT Code for PharmCAS

Prerequisite Courses

Course	Semester Hours	Quarter Hours
English composition	6	9
Biology with laboratory	8	12
Anatomy, human or vertebrate	3	4
General Chemistry with lab	8	12
Organic Chemistry with lab	8	12
Physics	3	4
Calculus	3	4
Statistics	3	4
Speech (<i>public speaking</i>)	3	4
Economics	3	4
Social Sciences (<i>divided among psychology, sociology, anthropology, or political sciences</i>)	6	9
General Education (<i>Courses should be divided among humanities, fine arts, foreign language, business, or computer science. Science, math, physical ed., & health care courses are not acceptable</i>)	8	12

Statistics for 2010 Entering Class Acceptees

Number interviewed:	375
Number accepted:	250
Estimated entering class size:	150
Estimated male (%):	50%
Estimated female (%):	50%
Estimated out-of-state (%):	60%

Application Process and Requirements

Participates in PharmCAS: Yes
 Deadline for receipt of applications: PharmCAS-January 5; Supplemental application - February 15
 Supplemental application required: Yes
 Supplemental application fee: \$50
 Expected GPA: 2.75
 Minimum overall GPA considered: 2.5
 Minimum prerequisite GPA considered: 2.5
 PCAT required: Yes
 Minimum PCAT scores considered: Prefer 50th percentile
 Oldest PCAT scores considered: 5 years
 Interview required: Yes

is 104. Only PCAT test scores earned in June 2006 or more recently will be considered.

4. Reflect a people/service orientation through community service or extracurricular activities.
5. Reflect proper motivation for and commitment to the pharmacy profession as demonstrated by previous work, volunteer, or other life experiences.
6. Possess the oral and written communication skills necessary to interact with patients and colleagues.
7. Complete CPG's on-campus interview process (by invitation only).
8. Pass the Midwestern University criminal background check.

For Further Information

The Office of Admissions
 Midwestern University
 19555 North 59th Avenue
 Glendale, AZ 85308
 888-247-9277 or 623-572-3215
admissaz@midwestern.edu
www.midwestern.edu

The University of Arizona

College of Pharmacy



Accreditation Status: *Full*
Type of Institution: *Public*
Main Campus: *Tucson, AZ*
Branch Campus(es): *None*
Satellite Program(s): *None*

General Information

The College of Pharmacy is the first health science college founded at the University of Arizona, which itself was the first university in Arizona Territory, established in Tucson in 1885. The college is now one of four colleges (medicine, nursing and public health are the others) that help make up the Arizona Health Sciences Center at the university.

Tucked into a corner of the southwestern United States, Tucson is one of the oldest continually inhabited settlements in North America. From its beginning as a Native American village more than 12,000 years ago, Tucson has evolved into a busy city, with thriving enterprises in such fields as astronomy, optics, semiconductors and biosciences.

The College of Pharmacy, founded in 1947 and the only public college of pharmacy in Arizona, is ranked number nine in the country, according to America's Best Graduate Schools, published by U.S. News and World Report.

The college is home to three centers for excellence:

- The Center for Toxicology, a resource to local, state and national agencies on matters of environmental chemical hazards and their effect on health.
- The Arizona Poison and Drug Information Center, which answers approximately 65,000 telephone calls a year from throughout the state on medication interactions, household poisons, and bites and stings from venomous creatures.
- The Center for Health Outcomes and Pharmacoeconomic Research, which assesses health care interventions from a clinical, economic and humanistic view.

In 2006, the college established the Medication Management Center, the only university based center providing medication therapy management services to Medicare Part D beneficiaries.

The College of Pharmacy boasts many active organizations specifically for pharmacy students and/or pharmaceutical sciences graduate students. To learn more about the organizations at the college, go to www.pharmacy.arizona.edu/about/organizations/students.php.

Mission/Vision

The UA College of Pharmacy is a leader in educating highly skilled, ethical and compassionate pharmacists. Our mission is to educate students to become competent and contemporary practitioners of pharmacy who, by delivering the highest quality of pharmaceutical care, will ultimately be responsible for safe, rational, and cost-effective drug therapy, and for leading the profession into the future.

Our mission also includes promoting research and training in the pharmaceutical sciences ranging from "molecule to man." Our graduate programs train scientists to identify, synthesize and develop drugs that will benefit mankind as well as understanding the molecular, cellular and organismal action mechanisms of drugs. Our goal is to produce the best trained scientists in the various aspects of pharmaceutical sciences.

Curriculum

The Pharm.D. curriculum is designed to educate and train pharmacy students to be competent health professionals in providing patient oriented pharmaceutical services in any health care setting, whether it be community pharmacies, hospitals, clinics or extended health care facilities. The program also prepares those who are interested in working in governmental or industrial pharmacy practice, or in graduate studies and research. The college programs are accredited by the American Council on Pharmaceutical Education.

The current Pharm.D. curriculum includes the following:

- First Professional Year: pharmaceutical calculations, pharmaceutics, pharmacy practice, immunology and hematology, interviewing and counseling skills, patient assessment, statistical methods, metabolic basis of pharmacotherapy, applied pharmacogenetics, chemotherapy of infectious disease, introductory practice experiences and case discussions.
- Second Professional Year: medication use in health care systems, research design, medicinal chemistry, pharmacology, drug information and literature evaluation, pharmacotherapeutics, non prescription medications and devices, compliance adherence, practice experiences and electives.
- Third Professional Year: pharmacotherapeutics, pharmacokinetics, professional practice management, preparation for rotations, pharmacy law and ethics, applied pharmacokinetics, writing a proposal for a scientific study, preventive care, advanced pharmacy practice, and electives.
- Fourth Professional Year: During summer session, fall semester and spring semester, students complete 40 units of experiential experiences, a combination of at least seven required and elective six week clinical rotations. Students also complete a research project during this year. Rotations take place in many locations. Some students complete all of their clinical rotations in the greater Phoenix area.

Go to www.pharmacy.arizona.edu/programs/pharmD/curriculum.php for the most up-to-date curriculum description.

Admission Requirements

The doctor of pharmacy program is four years in length. To qualify for admission to the Pharm.D. program at the University Of Arizona College Of Pharmacy, an applicant for admissions must complete 71 units/credits of specific prepharmacy courses. Prep-

Prerequisite Courses

Course	Semester Hours
General Biology (2 semesters with lab)	8
General Chemistry	8
Organic Chemistry	8
Anatomy & Physiology	8
Microbiology	4
Physics (algebra-based)	4
Science with lab	3-4
Calculus	3-5
English Composition	6
Humanities	6
Social Science Electives	6
Fine Arts or Literature Elective	3
Economics, micro or macro	3

Statistics for 2009 Entering Class Acceptees

Number interviewed:	143
Number accepted:	100
Estimated entering class size:	100
Estimated male (%):	40%
Estimated female (%):	60%
Estimated out-of-state (%):	17%

Application Process and Requirements

Participates in PharmCAS: *No*
 Deadline for receipt of applications: *December 1*
 Supplemental application required: *No*
 Supplemental application fee: *Not applicable*
 Expected GPA: *3.15*
 Minimum overall GPA considered: *3.0*
 Minimum prerequisite GPA considered: *3.0*
 PCAT required: *Yes*
 Minimum PCAT scores considered: *50th percentile*
 Oldest PCAT scores considered: *2 years*
 Interview required: *Yes*

harmacy courses can be completed at any accredited college, university or community college in the United States. Completion of prepharmacy requirements at the University of Arizona does not guarantee admission to the professional program at the College of Pharmacy.

Once admitted to the UA College of Pharmacy, admission to the University of Arizona is through the UA Graduate School. The student must have 72 units of college coursework completed by June 1 of the admission year.

Although international students may be admitted to the college to pursue a doctor of pharmacy degree to become a practicing pharmacist, all prerequisite coursework necessary for admission must be from an accredited college or university in the United States.

The University of Arizona College of Pharmacy requires all Pharm.D. applicants to:

- Complete at least 71 college units of specific prepharmacy prerequisite coursework and provide official transcript/s. Applicants must have a 3.0 science GPA (44 units required for admission) to apply. The Admissions Committee accepts only B grades or higher for required organic chemistry and anatomy and physiology courses.

- Complete the Pharmacy College Admission Test (PCAT) no later than October of the application year.
- Have 4 to 6 months of work or volunteer experience in a pharmacy setting.
- Complete and submit a UA College of Pharmacy application (posted online for entry into following year's entering class; due in December). Completing the online application and entry questions correctly is part of the admission process. The deadline for the application submission is December 1 of the year before the year the candidate will begin Pharm.D. studies.

Applicants considered strong candidates for admission will be invited for a personal interview at the College of Pharmacy.

Based on the qualifications of the 2008 applicant pool, a candidate must have had all of the following to receive an interview invitation:

1. Science GPA 3.15
2. PCAT chemistry subscore 50%
3. Experience in a pharmacy setting. While research is a unique/valuable experience, it is not acceptable as the only type of pharmacy experience. The admission committee expects to see at least 4 months/50 hours of work or

volunteer experience in a pharmacy setting at the time the application is submitted. This assures the committee that the student has an understanding of the profession.

4. A grade of 'B' or higher in Organic Chemistry and Anatomy and Physiology lecture
5. Strong letters of recommendations

Other Programs

The College of Pharmacy awards master of science (M.S.) and doctor of philosophy (Ph.D.) degrees in two graduate programs. The Pharmaceutical Sciences degree program has tracks in Pharmaceutics and Pharmacokinetics (formulation & delivery of drugs); Drug Discovery and Design; Pharmaceutical Economics, Policy and Outcomes (optimizing outcomes for the use of drugs); and Clinical Research. The Pharmacology and Toxicology degree program addresses the mechanisms of drugs and chemicals.

For more information about the M.S. and Ph.D. programs, refer to <http://graduate.pharmacy.arizona.edu/index.html>.

For Further Information

www.pharmacy.arizona.edu

Harding University

College of Pharmacy

Accreditation Status: *Candidate*

Type of Institution: *Private*

Main Campus: *Searcy, AR*

Branch Campus(es): *None*

Satellite Program(s): *None*



General Information

In October 2004, a former Harding University administrator suggested that pharmacy be investigated as an addition to the offerings of the University. In May 2005, the Board of Trustees of Harding University approved the creation of a College of Pharmacy at its campus in Searcy, Arkansas. Thus was born the first College of Pharmacy at a church of Christ affiliated institution, and the second Doctor of Pharmacy program in the state of Arkansas. The College of Pharmacy enrolled its inaugural class in fall 2008.

Harding University is a private Christian institution of higher education established in 1924. It is composed of the following academic units: a College of Arts and Humanities, a College of Bible and Religion, a College of Business Administration, a College of Education, a College of Nursing, a College of Pharmacy, a College of Sciences; graduate programs in speech pathology, business, education, marriage and family therapy, physician assistant studies, and religion; and a professional program in pharmacy. The University serves a diverse, coeducational student body from across the United States and around the world and is chiefly supported by the fellowship of the churches of Christ. The board of trustees, the administration and the faculty believe that the freedom to pursue truth and high academic achievement is compatible with the Christian principles to which the University is committed. The faculty is dedicated to excellence in teaching, scholarship and service and to their role as models of Christian living. The University community seeks to provide an environment that both supports students and challenges them to realize their full potential. Thus, Harding's mission is to provide a quality education that will lead to an understanding and philosophy of life consistent with Christian ideals.

Mission/Vision

Harding University's College of Pharmacy seeks to graduate pharmacists who accept the responsibility of improving the spiritual and physical wellness of the world by providing patient centered care that ensures optimal medication therapy outcomes delivered through the highest standards of Christian service.

The vision of the College of Pharmacy is to be recognized nationally for its leadership and innovation in Christian pharmacy education and scholarship as well as for its service to society and the profession.

The College of Pharmacy bases its educational program and position in the pharmacy community upon certain core values. The core values of the college are advancement, Christianity, collaboration, trustworthiness, innovation, outreach, nurturing, and service. These values are symbolized by the acronym ACCTIONS.

Curriculum

The College of Pharmacy offers a four-year program of study leading to the Doctor of Pharmacy (Pharm.D.) degree. The four-year program consists of three years comprised of a combination of didactic instruction and introductory pharmacy practice experiences followed by a fourth year comprised entirely of advanced pharmacy practice experiences. In total the program contains 146 semester hours of didactic and experiential courses. There is an emphasis on the integration of faith, learning and living, the development of Christian scholarship, the promotion of Christian ethics, and the promotion of citizenship within a global perspective through participation in mission efforts.

Once admitted to the Harding University College of Pharmacy, students benefit from the close ties the University has already

forged with public and private institutions throughout the world. As an example, students will have the opportunity to gain clinical education at a medical mission point in Namwianga, Kolomo, Zambia. Students will also benefit from interactions with those in Harding's other health sciences programs including nursing and physician assistant students.

Admission Requirements

Admission requires completion of a minimum of 90 semester hours of preprofessional education at an accredited college or university. Application can be made after the completion of 60 semester hours of college coursework. Qualified applicants are invited to visit the College of Pharmacy for a required personal interview. Because admission information is updated regularly, applicants should verify current requirements on the College of Pharmacy Web site (www.harding.edu/pharmacy). The most current admission information will always be posted at this site.

Applicants must possess a cumulative grade point average of at least 2.75 on a 4.0 scale on all previous college work. Grades below 'C' cannot be accepted for any math or science course. No more than 6 hours of CLEP or credit by examination will be accepted to meet the pre-pharmacy requirements; such credit must be listed on the official transcript. Advanced Placement (AP) credit may be used to satisfy prerequisite coursework provided that the AP credit is accepted by the applicant's institution and is posted on the applicant's official academic transcript. All prepharmacy course requirements must be satisfied prior to matriculation.

Applicants are required to take the Pharmacy College Admissions Test (PCAT) and must have their scores sent to PharmCAS (code 104). In addition to PCAT scores, applicants must submit three letters of refer-

Prerequisite Courses

Course	Semester Hours
General Chemistry	8
Organic Chemistry	8
Cell Biology	4
Biochemistry	3
Anatomy/Physiology	8
Microbiology	4
Zoology or Biology (<i>for majors</i>)	3
Physics	4
Calculus	4
Statistics	3
Psychology or sociology	3
Speech (<i>public speaking</i>)	3
English Composition	6
Economics (<i>Macroeconomics recommended</i>)	3
Humanities Electives	6
Social/Behavioral Science Electives	6
Other Electives	14

Statistics for 2010 Entering Class Acceptees

Number interviewed:	147
Number accepted:	70
Estimated entering class size:	60
Estimated male (%):	40%
Estimated female (%):	60%
Estimated out-of-state (%):	70%

Application Process and Requirements

Application Process and Requirements
 Participates in PharmCAS: Yes
 Deadline for receipt of applications: *March 1*
 Supplemental application required: Yes
 Supplemental application fee: \$50
 Expected GPA: 3.3
 Minimum overall GPA considered: 2.75
 Minimum prerequisite GPA considered: 3.0
 PCAT required: Yes
 Minimum PCAT scores considered: *40th percentile*
 Oldest PCAT scores considered: *5 years*
 Interview required: Yes

ence that focus on the applicant's academic and professional abilities. Having at least one reference from a pharmacist is highly recommended. Official transcripts from all colleges previously attended should also be sent to PharmCAS.

Prospective pharmacy students are strongly encouraged to obtain work experience in a pharmacy setting. An example of appropriate experience is as a pharmacy technician in either a hospital or community pharmacy.

Inaugural Class

The College admitted its inaugural class in 2008 and is housed in a newly constructed 40,000 square-foot facility that it shares with the Physician Assistant program.

For Further Information

Ms. Carol Kell, Director of Admissions
 Office of Student Affairs and Admissions
 Box 12230
 Searcy, AZ 72149-2230
 501-279-5528
 pharmacy@harding.edu



University of Arkansas for Medical Sciences

College of Pharmacy

Accreditation Status: *Full*
Type of Institution: *Public*
Main Campus: *Little Rock, AR*
Branch Campus(es): *None*
Satellite Program(s): *None*



General Information

The UAMS College of Pharmacy was established at the beginning of the 1951-52 academic year in Little Rock on the UAMS campus. The University of Arkansas for Medical Sciences includes the Colleges of Health Related Professions, Medicine, Nursing, Pharmacy, Public Health, and a graduate school. The main campus is comprised of the University Hospital and Clinics, the Winthrop P. Rockefeller Cancer Institute, the Myeloma Institute for Research and Therapy, the Jones Eye Institute, the Jackson T. Stephens Spine and Neurosciences Institute, the Reynolds Institute of Aging, and Psychiatric Research Institute. UAMS is in the developmental stages of creating a satellite campus in northwest Arkansas (Fayetteville).

The Dean's office is located in the Education II building along with faculty laboratories and offices. The Education II and College of Public Health buildings house the medical sciences library, large lecture halls, computer learning facilities, multidisciplinary student laboratories, Center for Clinical Skills Education, research laboratories, and faculty offices. In addition, College faculty members have laboratories and offices in both the Biomedical I and College of Public Health buildings. These areas are strategically located to facilitate the College's missions. Through the multiple purpose classrooms and laboratories, the students in the College of Pharmacy enjoy enviable advantages for broadening his/her understanding of the profession of pharmacy and its relationship to other health care professions and the maintenance of public health.

Student life consists of participation in campus activities, professional fraternities, and a variety of other organizations. New residence halls providing apartment style facilities opened in 2006.

Mission/Vision

The Vision statement of the UAMS College of Pharmacy is transforming healthcare throughout Arkansas and beyond. The College's Mission statement is to improve health of culturally diverse populations by educating pharmacy leaders to address health needs, advancing scientific discovery to produce innovations in healthcare, and fostering progressive pharmacy practice through service to the profession.

The academic responsibility of the College of Pharmacy is to nurture an environment of excellence with appropriate concern for the communication and acquisition of new knowledge through sound teaching methods and the pursuit of new knowledge through research and study. The student is made aware of the importance his attitudes, professional stature, and character which reflect those desirable attributes necessary to transmit the benefits of the student's educational experience to the public he/she serves.

Curriculum

The requirements of the prepharmacy coursework may be fulfilled at any accredited collegiate institution. Professional education leading to the doctor of pharmacy (Pharm.D.) based at an academic health center offers the added advantage of traditional campus life framed in an environment focused on patient care, medical research, and outreach. The culture allows for early and extensive immersion into the profession.

The professional curriculum is designed to integrate pharmacy practice experiences with challenging didactic courses in the basic, administrative, and clinical sciences. Experiential education consists of early practice experiences integrated into the didactic portion of the first three years of the curriculum followed by nine advance

practice rotations that require experiences in community pharmacy, hospital pharmacy, ambulatory care settings, and other health system pharmacies as well as non traditional pharmacy settings. This experiential component of the curriculum gives the student direct patient care experience and an opportunity to work closely with physicians, nurses and other health care professionals.

Admission Requirements

Applications for admission to the UAMS College of Pharmacy are accepted no later than February 1st of 2011 for the class entering the following Fall semester. A \$100 record analysis fee that is neither refundable nor credited toward registration fees must accompany this application. It is the responsibility of the applicant to request from the Registrar of all prior colleges attended, official transcripts of all college work completed up to the date of application. The transcripts should indicate the completion of at least three semesters of coursework.

All applicants with a grade point average of 2.50, or above, on their overall college record and a minimum grade of "C" in each of the prepharmacy course requirements and a PCAT composite percentile score of 30 or greater, are eligible for consideration for admission to the College of Pharmacy. No application will be accepted with a cumulative GPA of less than a 2.50 or PCAT composite percentile less than 30. No applicant interview will be scheduled until the application folder is complete. All applicants with completed folders will be invited for an onsite interview. A holistic selection approach process occurs using the applicant's previous scholastic and aptitude records, PCAT scores, onsite interview, work experience, leadership, diversity, and letters of recommendation. Applicants must have completed at least eight hours of General Chemistry I and II and four hours

Prerequisite Courses

Course	Semester Hours
English/Communication Area (<i>English Comp I & II, Speech, Public Speaking, Technical or Creative Writing or any survey of literature course</i>)	9
General Chemistry I with Lab	4
General Chemistry II with Lab	4
Organic Chemistry I with Lab	4
Organic Chemistry II with Lab	4
Biology I with Lab	4
Biology II with Lab	4
Microbiology with Lab	4
Calculus I	3-5
Physics I with Lab	4
Economics/Accounting (<i>Macroeconomics, Microeconomics, or Accounting</i>)	3
Humanities	11-13
Recommended Selective (<i>Calculus II, Physics II & Lab, Logic, Quantitative Analysis, Statistics, Cell or Molecular Biology, Genetics, Anatomy & Physiology, and Biochemistry</i>)	9

Statistics for 2010 Entering Class Acceptees

Number interviewed:	201
Number accepted:	122
Estimated entering class size:	120
Estimated male (%):	31%
Estimated female (%):	69%
Estimated out-of-state (%):	5%

Application Process and Requirements

Participates in PharmCAS: *No*
 Deadline for receipt of applications: *February 1*
 Supplemental application required: *No*
 Supplemental application fee: *Not applicable*
 Expected GPA: *Not reported*
 Minimum overall GPA considered: *2.5*
 Minimum prerequisite GPA considered: *Not reported*
 PCAT required: *Yes*
 Minimum PCAT scores considered: *30th percentile*
 Oldest PCAT scores considered: *June 2008*
 Interview required: *Yes*

of Organic Chemistry I with a grade of “C” or better by the February 1 application deadline.

Students requesting consideration for transfer from another accredited college of pharmacy will be reviewed on an individual basis. Students transferring from other schools of pharmacy must have the permission of the dean of the college of pharmacy previously attended. In addition, a transferring student is required to present a minimum grade average of “C” or its equivalent, both on their most recent semester of work and on the total to be considered for admission to the College of Pharmacy.

Other Programs

Graduate study in pharmaceutical sciences leads to the degree of Master of Science. Students are recruited into either the basic science or social/behavioral/administrative sciences.

Students in the basic sciences are expected to select an area of specialization from one of the following: medicinal/natural product chemistry, pharmacology/toxicology, or pharmaceutical analysis and biotechnology. The graduate programs are designed to

prepare students for teaching and research careers in academia, the pharmaceutical industry and public and private research institutes. In addition, a Doctor of Philosophy in pharmaceutical sciences is offered as a track through the College of Medicine Department of Pharmacology.

Students in the social/behavioral/administrative sciences are expected to select an area of specialization from one of the following: pharmaceutical evaluation and pharmacoconomics, health outcomes assessment, policy analysis, or social behavioral research in pharmacy. The program will prepare individuals for managerial positions in pharmaceutical industry, contract research organizations, managed care organizations, government agencies, and academia.

For Further Information

UAMS College of Pharmacy
 4301 West Markham Street #522
 Little Rock, AR 72205-7122
 501-686-5557
 www.uams.edu/cop

California Northstate College of Pharmacy

Accreditation Status: *Candidate*

Type of Institution: *Private*

Main Campus: *Rancho Cordova, CA*

Branch Campus(es): *None*

Satellite Program(s): *None*



General Information

California Northstate College of Pharmacy is located in Rancho Cordova, California just east of Sacramento, the state capitol.

Students who attend California Northstate College of Pharmacy have the good fortune to live in an area that provides an incredible array of indoor and outdoor activities to enrich their learning experience. Sacramento is often referred to as the “River City”, because it is bordered by the American and Sacramento Rivers, which provide many forms of water recreation, including sailing, kayaking, rowing, windsurfing, and both calm and white water rafting.

The American Bike Trail stretches 35 miles from Sacramento’s Discovery Park to Folsom Lake, a scenic trail shared by cyclists, joggers, walkers, and bird watchers. The trail is meticulously maintained and well separated from roads and highways.

Sacramento has more trees per capita than any other city in the world except Paris, France. Many of those trees are found in the more than 120 city parks in and around Sacramento, encompassing more than 2000 acres of beautifully landscaped surroundings.

More than two dozen world class ski resorts surrounding Lake Tahoe are within 100 miles northeast of Sacramento and the famous wine regions of Napa, Sonoma, and Mendocino counties are only 90 miles west of Sacramento.

Sacramento is also rich in music, theater, art, fine restaurants, and upscale nightclubs.

Currently California Northstate College of Pharmacy (CNC P) does not offer on campus housing. However there is available housing that is easily accessible to the campus. Rancho Cordova offers housing accommodations ranging from apartments, condominiums, or single family homes within a 10 minute

commute. Other cities within a short commuting distance include Carmichael, Fair Oaks, Folsom and Gold River. Rental prices within these cities range from \$600–\$1,600 for apartments depending on the number of bedrooms and amenities offered. For students seeking roommates to share housing, a list will be available through Student Affairs and the CNC P website.

Mission/Vision

California Northstate College of Pharmacy is committed to advancing the art and science of pharmacy. The science of pharmacy discovers new pharmaceutical products and formulations and determines which treatments are more efficacious, safe, and cost-effective for an individual patient or group of patients. The art of pharmacy encompasses listening to patients with empathy and compassion, counseling patients on the proper use of medications, and collaborating with patients and their physicians to create the best possible health care outcomes. Students who graduate from California Northstate College of Pharmacy will be competent, caring, patient centered practitioners who are committed to life long learning and making meaningful contributions to the advancement of pharmacy.

Curriculum

California Northstate College of Pharmacy is a four-year, post-baccalaureate Doctor of Pharmacy degree program. The didactic component of the curriculum is comprised of an initial sequence of biomedical, clinical, pharmaceutical, and social and administrative science courses followed by a series of organ system-based modules that integrate pathophysiology, pharmacology, medicinal chemistry, and pharmacotherapy concepts into the management of acute and chronic disease states. The curriculum is largely delivered using a team-based learning framework in order to enhance student learning and develop the students’ clinical

reasoning, problem-solving, teamwork, and self-directed learning skills.

The experiential component of the curriculum includes 300 hours of introductory pharmacy practice experience over the first three academic years and 1440 hours of advanced pharmacy practice experience in the final academic year. The experiential program has been designed to develop student skills, attitudes, values, judgment, professional behavior, and expertise in patient-centered care.

Admission Requirements

The pre-pharmacy requirements listed below help ensure that applicants have the primary academic background necessary to undertake a rigorous professional doctorate curriculum, as well as adequate exposure to a broad range of academic coursework.

- A bachelor’s degree from a regionally accredited institution is required prior to entering the program.
- Science and mathematics prerequisite courses designed for science majors. Science courses taken online or through distance learning programs are not acceptable.
- Applicants must have all required coursework completed prior to entering the program.
- Prospective students are strongly encouraged to carry full course loads during undergraduate study.
- All prerequisite courses must be completed with a grade of ‘C’ or higher.
- Science courses more than 9 years old may be required to be retaken.
- Applicants should have a minimum cumulative GPA of 2.8.
- Advanced placement credit is accepted for the Calculus and Physics requirement as long as such credit appears on the undergraduate transcript and indicates either specific subject credit (e.g. Physics - 4 units) or specific course credit (e.g. Physics

Prerequisite Courses

Course	# of Semesters	# of Quarters
General Chemistry with Lab	2	3
Organic Chemistry with Lab	2	3
Biochemistry, or Cell & Molecular Biology .1	1	1
General Biology with Lab	2	3
Microbiology	1	1
General Physics	1	1
Physiology, or Anatomy & Physiology.	1	1
Calculus	1	1
Psychology.	1	1
Economics (<i>Micro or Macro</i>).	1	1
Public Speaking.	1	1

Statistics for 2009 Entering Class Acceptees

Number interviewed:	400
Number accepted:	177
Estimated entering class size:	90
Estimated male (%):	43%
Estimated female (%):	57%
Estimated out-of-state (%):	11%

Application Process and Requirements

Participates in PharmCAS: *Yes*
 Deadline for receipt of applications: *January 5*
 Supplemental application required: *Yes*
 Supplemental application fee: *\$75*
 Expected GPA: *3.0*
 Minimum overall GPA considered: *2.8*
 Minimum prerequisite GPA considered: *2.8*
 PCAT required: *No*
 Minimum PCAT scores considered: *Not applicable*
 Oldest PCAT scores considered: *Not applicable*
 Interview required: *Yes*

101 - 4 units). General advanced placement credit without such specifications is not accepted. The AP credit score must be a 4 or higher.

- The Assistant Dean for Student Affairs & Admissions reserves the right of final decision with regard to acceptable coursework and alternatives.

All applicants must submit an application to the Pharmacy College Application Service (PharmCAS) and a supplemental application directly to California Northstate College of Pharmacy.

To be considered for admission, students must have satisfied all admission requirements, have a minimal GPA of 2.8, and be interviewed. Formal interviews are conducted by faculty and scored based on various personal characteristics. A writing assignment is also given on the day of the interview and evaluated for clarity, precision, depth, and creativity. Acceptance to the school is contingent upon an applicant successfully completing all of the above which includes: grades, successful completion of the interview, quality of the written assignment, in addition to final approval of acceptance by the Admissions Committee.

Acceptance by the admissions committee is made on a rolling basis, and therefore early completion of the application process is recommended.

For Further Information

California Northstate College of Pharmacy
 Office of Admissions
 10811 International Drive
 Rancho Cordova, CA 95670
 Admissions@calpharm.org
 www.californiacollegeofpharmacy.org

Loma Linda University

School of Pharmacy

Accreditation Status: *Full*
Type of Institution: *Private*
Main Campus: *Loma Linda, CA*
Branch Campus(es): *None*
Satellite Program(s): *None*



General Information

Loma Linda University School of Pharmacy offers a faith based curriculum that is academically rigorous and personally rewarding for those who wish to study pharmacy within a Christian university. Our student body, faculty, and staff are diverse both in ethnicity and religious background.

The School of Pharmacy is committed to educating pharmacists of the highest ethical and professional standards to deliver competent and compassionate pharmaceutical care. Our diverse and dynamic educational environment produces students who are practitioners, health professionals and are involved in community outreach to the local and global community. Graduates will be dedicated to life long learning, developing new knowledge, advancing standards of practice, and integrating physical, mental, social, and spiritual dimensions of health.

Mission/Vision

The Mission of the Loma Linda University School of Pharmacy is to continue the teaching and healing ministry of Jesus Christ by:

- Educating competent caring pharmacists who will serve as integral members of the health care team.
- Expanding through research the development of therapeutic regimens that will advance the knowledge and technology available for the treatment of disease.
- Providing high quality pharmaceutical care to all those within the global sphere of influence of Loma Linda University.

Admission Requirements

Preference is given to applicants who have successfully completed a baccalaureate degree in chemistry, biology, physics, or a related scientific field. The minimum cumulative GPA and cumulative math/science GPA considered for acceptance is 2.75 on a 4.00 scale. Preference is given to applicants with

cumulative GPAs exceeding 3.30. All prerequisite course work must be completed by June prior to matriculation the following fall. Science prerequisite courses must be at the level of those required for a major in the field; introductory courses are not acceptable.

Students applying without a bachelor's degree must insure that all prerequisite educational requirements are met. The minimum credit hour requirement for acceptance without a bachelor's degree is completion of 78 semester credit hours or 117 quarter credit hours. These credit hours should include humanities/fine arts and social science/behavior science credits. See the table of prerequisite coursework below. Final determination of acceptability of courses as prerequisites resides with the School of Pharmacy Admissions Committee working with the Loma Linda University Registrar.

Application Process

The School of Pharmacy accepts applications only through the PharmCAS system. A supplement application is required for Loma Linda University; applicants automatically receive an e-mail link for this application once the PharmCAS application completed. November 1, 2010 is the PharmCAS deadline in order to be considered for the Fall 2011 class.

International Applicants

International students must have their transcripts reviewed by an approved evaluation service before applying. A list of such services is available on our website. If the applicant's native language is not English, or if most education was completed in a non-English program, a score of at least 550 (paper-based) or 213 (computer-based) on the TOEFL (Test of English as a Foreign Language) is required. Some consideration is given to applicants who have earned a college degree in an English speaking country. Visit www.TOEFL.org for more information.

Financial Aid

Information on financial aid including public and private loans, grants, and scholarships, can be found on the internet by searching financial aid web pages. You may also contact the University's financial aid office directly at www.llu.edu/ssweb/finaid.

Prerequisite Courses

Course	Semester Hours
General Biology with Lab	8
General Chemistry with Lab	8
Organic Chemistry with Lab	8
General Physics with Lab	8
General Biochemistry	3
General Microbiology	3
Calculus (<i>Integral and Differential</i>)	4
Human Anatomy.	3
English Composition (<i>only required for applicants without a U.S. bachelors degree</i>)	6
Speech Communication	3
Economics (<i>Macro or Micro</i>).	3
Psychology.	3

Statistics for 2009 Entering Class Acceptees

Number interviewed:	214
Number accepted:	127
Estimated entering class size:	73
Estimated male (%):	40%
Estimated female (%):	60%
Estimated out-of-state (%):	11%

Application Process and Requirements

Participates in PharmCAS: Yes
 Deadline for receipt of applications: November 1
 Supplemental application required: Yes
 Supplemental application fee: \$75
 Expected GPA: 3.4
 Minimum overall GPA considered: 2.75
 Minimum prerequisite GPA considered: 2.75 science/math
 PCAT required: No
 Minimum PCAT scores considered: Not applicable
 Oldest PCAT scores considered: Not applicable
 Interview required: Yes

Touro University California

College of Pharmacy

Accreditation Status: *Full*
Type of Institution: *Private*
Main Campus: *Vallejo, CA*
Branch Campus(es): *None*
Satellite Program(s): *None*



General Information

Touro University California, College of Pharmacy offers a four-year Doctor of Pharmacy program on historic Mare Island in San Francisco Bay. The 44 acre campus also includes Colleges of Osteopathic Medicine, Education, Physicians Assistant and Public Health. Touro University's pharmacy program is unique nationwide in that it consists of two years of didactic instruction and two years of experiential practice designed to produce a more mature Pharm.D. graduate.

The program prepares students for rigorous clinically oriented pharmacy practice in various practice sites. Students receive individualized attention with highly qualified and accessible professors and preceptors who are available to meet with students requiring additional assistance. This is a highly personalized program with a class size of 100. The program emphasizes student teamwork, student leadership, extensive use of technology and expanded clinical experiences that promote professional competence. Students widely participate in many co curricular activities including community outreach, sports and fitness and the performing arts. Pharmacy students can enroll in the public health certificate program that can be extended to a Masters of Public Health.

Mission/Vision

Mission Statement

- To benefit society through its programs in pharmacy education, research, scholarship, and service.
- To prepare our students to become competent, caring and ethical pharmacists dedicated to optimizing health care outcomes.
- To develop student and faculty to be leaders and provide them with the tools to practice effectively and be role models in a wide variety of professional settings.
- To promote life long learning in a culture of collegiality, respect, and diversity.

The Goals of the College are to:

- Produce pharmacists who possess the competencies necessary for the provision of pharmacist delivered patient care, including medication therapy management services;
- Develop faculty, student and alumni leaders who will accept responsibility for providing care, advance the practice of pharmacy and its contributions to society and represent the pharmacy profession to other health professions and the public;
- Promote the professional development of our faculty in teaching, research and other scholarly activities, and service;
- Practice continuous quality improvement through assessment and evaluation of desired outcomes in all phases of its operations;
- Foster a learning environment that promotes critical thinking and is responsive to the diverse learning style of students;
- Sustain a culture of equity, respect, and understanding by recruiting faculty, staff and students who are diverse in gender, race, religion, ethnicity, sexual orientation, and socioeconomic status;
- Incorporate collegiality as a central value in relationships among and between faculty, students and other health professionals;
- Utilize informatics and technology as a means to advance pharmacy practice and improve health care outcomes;
- Instill a commitment to life long learning, through participation in professional organizations, professional exchanges, publications, and professional development;
- Be recognized locally, nationally, and internationally for excellence in our endeavors.

Vision Statement

Educating caring professionals to serve, to lead, to teach.

Curriculum

The College of Pharmacy's four-year program is a Two Plus Two Curriculum that includes two years of full time experiential training. The curricular content and competencies follow the guidelines of ACPE Standards 2007 and comply with the prescribed amounts of subject material and experiential practice.

The first two years are a synchronized presentation of contemporary knowledge allocated across four parallel tracks in (1) Biological Sciences, (2) Pharmaceutical Sciences, (3) Social, Behavioral and Administrative Sciences, and (4) Clinical Sciences. Classes employ lectures, small group activities, interactive presentations, and introductory pharmacy practice experiences in a fully integrated fashion. Students work in teams to develop communication and organizational skills, an evidence based approach to clinical decision making, and critical thought processes that expand and integrate their knowledge of human biology, disease and medications. They do so using laptop computers in a wireless classroom environment that utilizes Blackboard and Webcast technologies with full access to the Internet and extensive e library resources.

The first two years consist of four 19 week semesters, each subdivided into three 5 week blocks concentrating on a particular body system, with knowledge assessed during the 6th week. The final week of each semester is devoted to a case centered evaluation of professional competencies that includes a closed book exam, and open book exam, and an OSCE component.

The second two years are devoted to eleven 6 week pharmacy practice experiences in full time experiential training. There are seven required and four elective rotations. Required rotations include 2 community practice, 2 ambulatory care, 2 acute care and 1 institutional care rotation. Third year

Prerequisite Courses

Course	Semester Hours
Inorganic Chemistry with Lab	8
Organic Chemistry with Lab (<i>four semester units of Biochemistry may be substituted for the second semester of Organic Chemistry</i>)	8
Human Anatomy/Physiology with Lab	4
Microbiology with Lab	4
Calculus	3

Statistics for 2009 Entering Class Acceptees

Number interviewed:	439
Number accepted:	182
Estimated entering class size:	104
Estimated male (%):	40%
Estimated female (%):	60%
Estimated out-of-state (%):	15%

Application Process and Requirements

Participates in PharmCAS: *Yes*
 Deadline for receipt of applications: *Rolling*
 Supplemental application required: *Yes*
 Supplemental application fee: *\$50*
 Expected GPA: *3.0*
 Minimum overall GPA considered: *2.75*
 Minimum prerequisite GPA considered: *2.75*
 PCAT required: *No*
 Minimum PCAT scores considered: *Not applicable*
 Oldest PCAT scores considered: *Not applicable*
 Interview required: *Yes*

students also attend weekly callbacks either on campus or off site via Webcast. Callbacks feature assigned student presentations and discussions focused on clinical topics to further develop research capabilities and hone presentation skills.

Students will also complete the four elective rotations in focus areas of their choosing. During the final two years, there are also three open 6 week periods when students may choose to work with pharmacists and other health professionals in community pharmacies, clinics, hospitals and other settings. The experiential curriculum is designed to create a more clinically mature graduate who is better prepared to enter pharmacy practice or pursue post graduate pharmacy residencies, fellowships, or graduate work.

Admission Requirements

Admission Requirements

Candidates for the Doctor of Pharmacy Degree program are required to have a Bachelor's Degree prior to the start of classes.

All prerequisite coursework must be completed with a grade of "C" or better, and minimum cumulative and science GPAs of 2.75. Candidates who qualify for secondary

applications typically have GPAs substantially higher than 2.75. Candidates must hold either U.S. Citizenship or Permanent Resident Status at the time of application. Those planning to apply to the program may wish to establish a formal relationship with the Office of Admissions in the year prior to their application.

Primary Application

The Touro University - California College of Pharmacy does not accept direct applications. All applicants are required to submit a primary application through PharmCAS, the Pharmacy College Application Service. The application deadline is February 1st. Although not required, submitted PCAT scores can be considered. Touro University then performs a primary screening based on the PharmCAS primary application. The qualifying bar for this screening is reviewed each year; sometimes during an actual admissions cycle. Candidates will be notified of their status via U.S. mail and those who qualify will be invited to submit a supplemental application.

For more information regarding the application process please visit www.tu.edu.

For Further Information

Touro University, California
 College of Pharmacy Admissions
 1310 Johnson Lane
 Vallejo, CA 94592
admit@touro.edu
www.tu.edu

University of California, San Diego

Skaggs School of Pharmacy and Pharmaceutical Sciences

Accreditation Status: *Full*
Type of Institution: *Public*
Main Campus: *La Jolla, CA*
Branch Campus(es): *None*
Satellite Program(s): *None*



General Information

The University of California San Diego is nestled along the Pacific Ocean on 1,200 acres of coastal woodland, twenty miles north of downtown San Diego. UCSD is a powerful magnet for those seeking a fresh, next generation approach to education and research. Since its founding in 1959, UCSD, one of the ten campuses in the world-renowned University of California system, has rapidly achieved the status as one of the top institutions in the nation for higher education and research. UCSD's interdisciplinary ethos and tradition of innovation and risk taking underlie its research strength and ability to recruit top scholars and students. This interdisciplinary approach to education and research led to the development of the Skaggs School of Pharmacy and Pharmaceutical Sciences in 2000 which enrolled the first class of Doctor of Pharmacy students in 2002. The School occupies the recently completed Pharmaceutical Sciences Building and adjacent Health Sciences Education Center. Completion of these facilities and establishment of an endowment fund were made possible by the receipt from the Skaggs Research Foundation of the largest philanthropic donation ever made to a US school or college of pharmacy.

Students enrolled in the School are extremely active in professional association activities and service to medically underserved communities. The associated student body represents the students on school and faculty committees to assure student input on faculty and administrative decisions.

The UCSD campus, in 2007, had a total campus enrollment of nearly 27,000 undergraduate, graduate and professional students. Housing for graduate and professional students on campus is limited and students who are interested in on campus housing should apply early. Most students live off campus in the adjacent La Jolla community or throughout San Diego.

Mission

The Skaggs School of Pharmacy and Pharmaceutical Sciences was established to serve the needs of the citizens of the State of California, the nation and the global community. As part of a research-intensive university, the School has a three part mission of education, research and service. The goals of the School are to 1.) provide a premier professional education program leading to the Pharm.D. degree and postgraduate programs including residencies and fellowships, 2.) prepare students to be leaders in the profession of pharmacy and to provide them with the tools to effectively practice in a wide variety of currently existing and potential future roles in hospitals and medical centers, community pharmacy settings, academia, government and the pharmaceutical industry, 3.) provide graduate education programs in the pharmaceutical and biomedical sciences leading to the Ph.D. degree, 4.) develop and maintain research initiatives in the basic, clinical and computational sciences to discover new knowledge and new approaches to enhance health care, 5.) promote interdisciplinary education and cooperation between pharmacy and medicine, 6.) foster collaboration with the UCSD Schools of Medicine, Engineering, the Supercomputer Center, the Scripps Institution of Oceanography, the UCSD general campus and area research institutes, such as The Scripps Research Institute and Salk Institute, to enhance and expand education and research opportunities and 7.) serve as the regional center for dissemination of drug, toxicology and pharmacogenomic information for health professionals and the public.

Curriculum

The Pharm.D. curriculum at the University of California San Diego is unique among current schools of pharmacy. The curriculum is a four-year course of study that is closely integrated with the curriculum in the School of Medicine. The curriculum is designed to prepare graduates for a challenging career in

Pharmacy over an anticipated professional career spanning 30 to 40 years.

The curriculum prepares students to be leaders in the profession of pharmacy and provides the tools to effectively practice in a variety of existing and potential professional roles. In the first year, students are enrolled in courses in the basic biological and chemical sciences and receive an intensive introduction to the practice of pharmacy. Students gain their first exposure to patient care by working alongside medical students in UCSD sponsored, student run, free medical clinics and through introductory practice experiences in community and hospital pharmacy. Essential to the ability to self educate oneself, as the profession undergoes tremendous change in the future, is a strong understanding of the basic biomedical and pharmaceutical sciences.

In the second year, pharmacy and medical students are concurrently enrolled in courses that serve as a foundation for understanding disease and disease management. In this unique environment, pharmacy and medical students study the basic biomedical sciences. Courses, specific to the needs of pharmacy students, such as additional coursework in pharmacology, drug study design, and pharmacy practice are also provided.

The third year focuses the information learned in the previous years to the clinical management and care of patients.

The fourth year is devoted entirely to advanced pharmacy practice experiences. The experiential portion of the curriculum is closely supervised by the faculty and takes place in university hospitals and clinics and affiliated sites in the San Diego region. Both classroom elective courses as well as advanced practice experience electives provide flexibility for the student to explore the many facets of the profession and provide an opportunity for the curriculum to meet a particular student's educational goals and objectives.

Prerequisite Courses

Course	Semester Hours	Quarter Hours
General Chemistry with Lab	8	12
Biology with Lab (<i>must include cell and molecular biology and the study of the biology of whole animals or humans; courses in botany and biochemistry</i>)	8	12
Organic Chemistry with Lab	8	12
Physics (<i>with at least one lab that includes the study of electricity and magnetism</i>)	6	8
Calculus with analytical geometry	6	8
English with a writing component (<i>English as a Second Language courses are not acceptable to meet this requirement</i>)	6	8
Human Behavior (<i>may include a course in psychology, sociology, cultural anthropology or related course</i>)	3	4
Macro or Micro Economics	3	4
Public Speaking and/or Debate	3	4
Elective coursework in the Humanities and Social Sciences (<i>technical, mathematics, computer and science courses are not acceptable elective courses to meet this requirement</i>)	12	18

Statistics for 2009 Entering Class Acceptees

Number interviewed:	240
Number accepted:	60
Estimated entering class size:	60
Estimated male (%):	33%
Estimated female (%):	67%
Estimated out-of-state (%):	1%

Application Process and Requirements

Participates in PharmCAS: Yes
 Deadline for receipt of applications: November 1
 Supplemental application required: Yes
 Supplemental application fee: \$60
 Expected GPA: 3.4
 Minimum overall GPA considered: 3.0
 Minimum prerequisite GPA considered: 3.0
 PCAT required: No
 Minimum PCAT scores considered: Not applicable
 Oldest PCAT scores considered: Not applicable
 Interview required: Yes

Admission Requirements

All students are enrolled in the full time, four-year professional program leading to the Doctor of Pharmacy degree. No students in advanced standing, transfer students from other schools of pharmacy or part-time students are accepted. All students enter at the first year level.

Applications for admission are only accepted through PharmCAS. In addition to the PharmCAS application, students must complete an on line supplemental application that can be found on the school web site and submit a supplemental application fee. To be considered for admission, students must complete a set of required pre requisite courses with a strong grade point average.

Other factors considered include demonstrated leadership activities, verbal and written communication skills, knowledge of the profession and research or pharmacy experience. Since the school opened, more than 99% of admitted students have entered with at least a B.S. or B.A. degree. Although the majority of applicants are California residents, students with superior academic and leadership ability from other states are encouraged to apply.

Other Programs

Combined Pharm.D./Ph.D. Program

The school offers a combined Pharm.D./Ph.D. program designed to educate and train students to conduct basic and translational research. Students apply to the program in the first two years of the Pharm.D. program and participate in graduate level coursework and laboratory rotations during the summers. Upon completion of the third year of the Pharm.D. curriculum, students undertake graduate study on a full-time basis. Upon completion of their graduate research, they return to the professional curriculum and complete the required advanced pharmacy practice experiences and graduate with both the Pharm.D. and Ph.D. degrees. Students may elect to conduct their graduate program with any of the graduate departments on the UCSD campus.

For Further Information

Office of Student Affairs and Admissions
 Skaggs School of Pharmacy and
 Pharmaceutical Sciences
 University of California San Diego
 9500 Gilman Drive
 La Jolla, CA 92093-0657
 858-822-4900
 sppsadmissions@ucsd.edu
 www.pharmacy.ucsd.edu

University of California, San Francisco

School of Pharmacy

Accreditation Status: *Full*
Type of Institution: *Public*
Main Campus: *San Francisco, CA*
Branch Campus(es): *None*
Satellite Program(s): *None*



University of California
San Francisco

advancing health worldwide™

General Information

The UCSF School of Pharmacy is a leader in pharmacy professional education, pharmaceutical care, clinical and basic science research and the graduate education of tomorrow's science leaders. Founded in 1872, UCSF is the oldest pharmacy school in the West and one that continues today to explore the frontiers of practice and research.

At UCSF, students learn against the backdrop of the leading pharmacy school in the nation that has consistently received more research funding from the National Institutes of Health than any of its peers. The faculty is known for its continuing accomplishments. The basic science and clinical faculty who teach the School's Doctor of Pharmacy students are active and vocal national and international leaders in their fields.

The development of pharmacy leaders is central to the mission of the Pharm.D. program and UCSF student pharmacists excel in leadership and community service. More than 80% of UCSF student pharmacists participate in student organizations representing varied aspects of the profession and their contributions are broad and diverse.

The energy of the School is mirrored by the energy of San Francisco—one of the world's most beautiful, culturally diverse, and dynamic cities. The main UCSF campus is near verdant Golden Gate Park and on campus housing is available on a limited basis. The uniqueness of the School is reinforced by the special nature of UCSF. UCSF is a graduate level only campus devoted solely to the health sciences. UCSF also offers degrees in medicine, nursing, dentistry and various biological sciences. UCSF is also home to a leading medical center.

Mission/Vision

The School of Pharmacy at the University of California, San Francisco is dedicated to improving human health worldwide and advancing scientific discovery. The School:

- Conducts exceptional pharmaceutical research, including basic science, translational science, clinical science, health policy, and health services research.
- Delivers world-class education to our Doctor of Pharmacy, graduate, postdoctoral students and others.
 - We educate Pharm.D. students to be leaders and effective team members in health care and to be lifelong experts in the safe and effective use of medicines.
 - We educate graduate students to be outstanding researchers across the spectrum from the basic to the health sciences.
 - We provide strong postdoctoral training.
- Develops and delivers outstanding and innovative pharmaceutical care.
- Serves the community by sharing our expertise with the public, industry leaders, and policy makers.

We achieve these goals within a culture of understanding, inclusion, equity, and respect. We recruit and support faculty members, staff, and students who are diverse in gender, age, race, ethnicity, religion, sexual orientation, and socioeconomic status. We have a particular commitment to historically excluded populations who are currently underrepresented.

The missions of the UCSF School of Pharmacy departments of biopharmaceutical sciences, clinical pharmacy, and pharmaceutical chemistry fall under the broader umbrella of the School's mission statement. The School supports the larger missions of the University of California, San Francisco and the University of California.

Curriculum

The UCSF School of Pharmacy is dedicated to educating pharmacists who think critically; advocate for patient-centered care; work as equal partners alongside physicians, nurses, and other health care colleagues; and lead the profession to assume new responsibilities in the increasingly complex world of medicines.

Our Pharm.D. curriculum consists of four years of full-time study. All students take a required core curriculum and select an emphasis in one of three pathways -- Pharmaceutical Care (PC), Pharmaceutical Health Policy and Management (PHPM), or Pharmaceutical Sciences (PS). The PC Pathway prepares students to use their clinical knowledge and skills to manage drug therapy for patients with acute and chronic diseases, work with health care teams to provide cost-effective care, and provide medication consultation to families and caregivers. The PHPM Pathway is designed to prepare students to conduct health services research and to be decision makers on health policies and processes for drug use in the private and public sectors. The PS Pathway offers a unique and innovative curriculum designed for students interested in pharmaceutical research within academia, industry, or governmental agencies.

Detailed information on the curriculum and educational outcomes is available at <http://pharmacy.ucsf.edu>.

Admission Requirements

Applicants for admission must be eligible for admission to the University of California. A minimum GPA of 2.8 in undergraduate coursework and a minimum of 92 quarter/62 semester units of prerequisite work are required.

The UCSF School of Pharmacy is committed to admitting Pharm.D. students who have diverse cultural, economic, and social

Prerequisite Courses

Course	Quarter Hours
General Chemistry (<i>one year of lecture and lab</i>)	12
Organic Chemistry (<i>one year of lecture and lab</i>)	12
Biology (<i>with at least one lab</i>)	12
Physiology (<i>whole animal or human physiology</i>)	4
Physics (<i>with lab in electricity/magnetism</i>)	8
Mathematics (<i>2 courses in calculus</i>)	8
English Composition (<i>ESL courses not acceptable</i>)	8
Electives (<i>must include courses in Public Speaking/ Debate, Economics, Social Science*</i>)	28

*Introductory course in psychology, sociology, or cultural anthropology

Statistics for 2009 Entering Class Acceptees

Number interviewed:	275
Number accepted:	122
Estimated entering class size:	122
Estimated male (%):	37%
Estimated female (%):	63%
Estimated out-of-state (%):	14%

Application Process and Requirements

Participates in PharmCAS: Yes
Deadline for receipt of applications: November 1
Supplemental application required: Yes
Supplemental application fee: \$60 domestic/\$80 international
Expected GPA: Not reported
Minimum overall GPA considered: 2.8
Minimum prerequisite GPA considered: Not reported
PCAT required: No
Minimum PCAT scores considered: Not applicable
Oldest PCAT scores considered: Not applicable
Interview required: Yes

backgrounds. Although grade point average is an important factor, it is not the sole consideration in admissions. In addition to intellectual and academic competence, the School's admissions committee considers communication skills, leadership ability, community service, health care-related or research experience, and motivation for pursuing a career in pharmacy. Upon an initial review of applications, 250 - 300 applicants are invited to the campus for a required interview which takes place in January/February. Admissions decisions are finalized and applicants are notified of their status by the end of March.

Applications are accepted annually from July through November 1. Applicants must apply through the Pharmacy College Application Service (PharmCAS) at www.pharmcas.org.

A supplemental application available at <http://pharmacy.ucsf.edu/pharmd/admissions> is also required by the November 1 deadline.

Other Programs

The UCSF School of Pharmacy offers leading graduate programs in the following areas: Biological & Medical Informatics, Biophysics, Chemistry and Chemical Biology and

Pharmaceutical Sciences and Pharmacoeconomics.

For Further Information

Admissions Director
 UCSF School of Pharmacy
 513 Parnassus Avenue
 Box 0150, Room S-960
 San Francisco, CA 94143-0150
 415-476-2733
osaca@pharmacy.ucsf.edu
<http://pharmacy.ucsf.edu>

University of the Pacific

Thomas J. Long School of Pharmacy
and Health Sciences

Accreditation Status: *Full*
Type of Institution: *Private*
Main Campus: *Stockton, CA*
Branch Campus(es): *None*
Satellite Program(s): *None*

UNIVERSITY OF THE
PACIFIC
Thomas J. Long School of
Pharmacy & Health Sciences

General Information

University of the Pacific was established in 1851 as the first chartered institution of higher learning in California. Since its founding Pacific has earned widespread recognition for its student centered approach to education, its many firsts and innovations, and the accomplishments of more than 50,000 living alumni.

The Thomas J. Long School of Pharmacy and Health Sciences is located on the campus of the University of the Pacific in Stockton. The School offers professional and graduate degrees in pharmacy, physical therapy, speech language pathology, and pharmaceutical and chemical sciences. Pharmacy degree programs offered are the Doctor of Pharmacy (Pharm.D.), Pharm.D./M.B.A., Pharm.D./Ph.D., and Pharm.D./Master of Science. We provide an outstanding academic environment that combines didactic and experiential learning as a focal point for our students. We hold academic affiliations with major medical centers, teaching hospitals, and related practice settings in support of our educational programs.

There are a variety of reasons students apply to Pacific in greater numbers, and we invite you to take a closer look to see why! To start with, we produce one third of currently practicing California pharmacists, and our alumni are leaders in every health sciences field. Our reputation is based on our time-proven curriculum and our unrivaled commitment to student success. We have one of the highest retention rates in the country and your classes will be taught by top professors - not graduate student assistants. One reason our alumni enjoy such success is that employers know they are ready to practice from day one. By the time you graduate, you'll have benefited from intensive clinical rotations, internships and community service clinics. Our program is accredited by the respective national accreditation entities. Pacific's innovative eight-semester curriculum includes

pharmaceutical, administrative, social, behavioral, and clinical science aspects.

For our students, the health science and pharmacy school in California encompasses the entire state and beyond. In addition to our Stockton campus at the University of the Pacific, we have satellite regions where students can spend their final year: Stockton, Sacramento, San Francisco, Palo Alto, Santa Clara, Santa Barbara, Fresno, Bakersfield, Los Angeles, Honolulu, and San Diego.

Mission/Vision

The mission of the Thomas J. Long School of Pharmacy and Health Sciences is to prepare students for lifelong success in health careers by providing an excellent, student centered learning environment. We want to develop in our students leadership and a strong commitment to their professions and to society. These efforts are assisted by the linkages across the University's professional and liberal arts programs. We support outstanding professional and graduate teaching, research and other scholarly activity, and service as the means of achieving our mission.

Curriculum

The Thomas J. Long School of Pharmacy and Health Sciences has implemented a curriculum that is designed to include pharmaceutical, administrative, social, behavioral, and clinical science components. Curricular content is integrated, with practice and general patient oriented skills implemented across the curricular sequence, commencing in the first semester. Active learning and expanded use of media technology are integral parts of the teaching methodology. The basic residence requirement for the completion of the Doctor of Pharmacy degree is eight semesters which is completed in two and two thirds years. This has been made possible by utilizing the summer months for instruction, thus providing the same number of instructional days as in four academic years.

The Doctor of Pharmacy curriculum prepares our graduates to become generalist practitioners of pharmacy. The goals and objectives of the curriculum in pharmacy embrace the scope of contemporary practice responsibilities as well as emerging roles that ensure the rational use of drugs in the individualized care of patients and patient populations. The program provides students with a core of knowledge, skills, abilities, attitudes, and values that are necessary to the provision of pharmaceutical care and provide an opportunity for students to select courses and professional experiences in keeping with particular interest and goals. The need for life long learning is reflected as an integral theme of the curriculum.

The Doctor of Pharmacy program was revised in 2009 to enhance introductory experiences and problem solving abilities of students, while maintaining and enhancing the development of abilities in the basic and applied pharmaceutical sciences. The required courses for the program include: Pharmacy Practice and Professionalism; Informatics, Statistics and Research Design; Dispensing, Compounding and Calculations; Physical Pharmacy and Dosage Forms; Drug Metabolism and Disposition; Pharmacokinetics and Advanced Drug Delivery Systems; Molecular and Cellular Biochemistry; Physiology and Pathophysiology I III; Pharmacology and Medicinal Chemistry I III; Nonprescription Therapy and Self Care; Therapeutics I VII; Practicum I IV; Pharmacoeconomics, Benefits and Outcomes; Pharmacy Law and Ethics; Pharmacy Management; Introductory Pharmacy Practice Experiences I V; and Advanced Pharmacy Practices I VI.

Admission Requirements

Application requires access to the Pharmacy College Application Service (PharmCAS) and completion of the University's supplemental application. The supplemental application may be obtained by visiting our web page at <http://www.pacific.edu/pharmd>.

Prerequisite Courses

Course	Semester Hours	Quarter Hours
Math, Physics, Chemistry, Biological Sciences	28	42
Reading for College or equivalent	One semester minimum	
Writing For College or equivalent	One semester minimum	
Public Speaking	3	4
Liberal Arts requirement	28	42
Economics	3	4
Psychology	One semester minimum	

Statistics for 2010 Entering Class Acceptees

Number interviewed:	446
Number accepted:	212
Estimated entering class size:	212
Estimated male (%):	37%
Estimated female (%):	63%
Estimated out-of-state (%):	9%

Application Process and Requirements

Participates in PharmCAS: Yes
Deadline for receipt of applications: November 1
Supplemental application required: Yes
Supplemental application fee: \$60
Expected GPA: 3.4
Minimum overall GPA considered: 2.7
Minimum prerequisite GPA considered: 2.7
PCAT required: No
Minimum PCAT scores considered: Not applicable
Oldest PCAT scores considered: Not applicable
Interview required: Yes

Students interested in applying to the Doctor of Pharmacy program must apply through PharmCAS. To be considered for admission applicants must: 1) be able to complete all prerequisite coursework prior to the date of enrollment in the Thomas J. Long School of Pharmacy, 2) have a satisfactory grade point average based on all courses attempted, 3) submitted supplemental application materials to the University of the Pacific Office of Admissions.

In addition to the above requirements, eligible applicants must successfully complete interviews and a writing sample. Successful applicants must demonstrate effective communication and interpersonal skills, as well as an aptitude to enter a health care profession during their interview session. Students are admitted once a year in the Fall. Applications and supplemental materials must be submitted by November 1 the previous year. Applicants are evaluated by the Admissions Committee on potential academic abilities, communication skills, and adaptability of the profession of pharmacy.

Other Programs

The Thomas J. Long School of Pharmacy and Health Sciences, in conjunction with the Office of Graduate Studies, offers pro-

grams leading to the Master of Science and Doctor of Philosophy degrees and the combined Pharm.D./Ph.D., Pharm.D./M.S. and Pharm.D./M.B.A. degree programs. The combined degree programs are intended for students interested in careers in research, teaching or business but who wish to also possess a professional degree in pharmacy.

The Pharmaceutical and Chemical Sciences Graduate Program is an interdisciplinary program that prepares graduates for increasingly complex research in pharmaceutical, biotechnological and chemical environments. The School provides scholarly resources to support research in basic and applied pharmaceutical sciences for fundamental discovery in healthcare sciences and the attainment of advanced degrees.

For Further Information

Office of Admission
 University of the Pacific
 3601 Pacific Avenue
 Stockton, CA 95211
 209 946 2211
<http://web.pacific.edu/x817.xml>

For Graduate School information:
 Research and Graduate Studies
 206 Knoles Hall

University of the Pacific
 3601 Pacific Avenue
 Stockton, CA 95211
<http://web.pacific.edu/x6949.xml>

University of Southern California

School of Pharmacy

Accreditation Status: *Full*
Type of Institution: *Private*
Main Campus: *Los Angeles, CA*
Branch Campus(es): *None*
Satellite Program(s): *None*



General Information

Founded in 1905, the University of Southern California (USC) School of Pharmacy was the first pharmacy school in Southern California. Approximately fifty percent of the pharmacists in the region are graduates of USC. The School has a student body of 745 full time students in the professional program.

The USC School of Pharmacy is nationally recognized as having one of the most innovative and progressive Pharm.D. programs. In 1950, USC established the first six year program leading to the doctor of pharmacy as the first professional degree. In 1968, USC initiated the first clinical pharmacy program in the nation. In 1988, USC responded to the need for health care management by offering the dynamic Pharm.D./M.B.A. dual degree, the first of its kind in the nation. In 1990, again responding to a national need, USC offered its first Pharm.D./Graduate Certificate in Gerontology. Subsequently, USC established dual degree programs in law, gerontology, public health, and regulatory science. The USC School of Pharmacy remains in the forefront of preparing its students for the demands of the 21st century, proudly continuing to serve as a model for pharmacy schools across the nation and worldwide.

In 1987, the USC School of Pharmacy developed a pre admission program called TAP (Trojan Admission Pre pharmacy). TAP offers USC students an opportunity to apply to this unique program. Students who maintain the required GPA while completing prerequisite coursework and earning a bachelor's degree from USC will be guaranteed admission into the Pharm.D. program.

At the USC School of Pharmacy, emphasis is given to the application of drug knowledge in patient care. The pharmacist becomes an active and integral member of the patient care team. Patient care experiences begin in the first year of the program and increase

both in scope and complexity as the student progresses through the doctor of pharmacy curriculum.

Mission/Vision

1. To provide exemplary education to pharmacy graduate and other health professions students.
2. To conduct and publicize cutting edge, multidisciplinary research in the discovery, action, utilization and evaluation of therapeutic agents.
3. To envision and shape the future direction of pharmacy practice in an organized and integrated health care delivery system that emphasizes balanced health care inputs in the optimization of patient outcomes.

Curriculum

The University of Southern California offers a four-year course of study leading to the Doctor of Pharmacy (Pharm.D.) degree. The Pharm.D. degree is the sole professional degree offered by the School of Pharmacy and requires a bachelor's degree for admission.

Basic coursework in the area of pharmaceuticals, pathology, pharmacology, medicinal chemistry, microbiology and pharmacy practice comprise the first year curriculum. Students also begin supervised clinical experiences during the first semester and continue throughout the four year program. In the second and third years of the professional program, a significant integration of the pharmaceutical and biological aspects occurs in the pharmacology and therapeutics sequences, where principles and rationale of modern drug therapy are presented. The fourth year is devoted to a series of required and elective advanced pharmacy practice experiences in which students interact with patients and health care professionals, supervised by faculty, in a variety of inpatient and outpatient settings.

The curriculum of the School of Pharmacy is arranged in a block system requiring eight (8) semesters for completion with summers off. The program requires full time attendance and can be neither accelerated nor prolonged. Specific pre pharmacy courses are required to be eligible for acceptance into the doctor of pharmacy program. All pre pharmacy courses must be completed before beginning the Pharm.D. program; however, they need not be completed at the time the application is submitted.

Admission Requirements

The School of Pharmacy Admission and Student Affairs Office and the Admission Committee, comprised of faculty, review the applicants for selection to the doctor of pharmacy program. Given the University's selective admission policy and limited enrollment, only applicants who present evidence of intellectual promise, completion of all pre pharmacy requirements and strong qualifications are considered. The Admission Committee considers academic records and supporting material submitted by the applicant to assess aptitude and qualifications to enter the profession. Interviews are required and used as part of the evaluation process. Students must have a minimum of a "B" grade in all pre pharmacy requirements and must have a cumulative GPA of 3.0 or higher to be evaluated for consideration of an interview.

Application information is available at the School's Website (www.usc.edu/schools/pharmacy). The program admits fall only. The application deadline date is November 1st. Admission to the program is on a rolling basis; therefore, completed files will be given first priority for review.

Other Programs

The School of Pharmacy, through the Graduate School, offers curricula leading to the M.S. and Ph.D. degrees in pharmaceutical sciences and in molecular pharmacology and toxicol-

Prerequisite Courses

Course	# of Semesters
Calculus (<i>include differential and integral calculus for science majors</i>)	1
Statistics (<i>non-business</i>)	1
Physics with Lab (<i>science/life science majors-thermodynamics & electromagnetism recommended</i>)	1
General Biology with Lab (<i>excludes human anatomy & physiology, botany and microbiology</i>)	2
Mammalian Physiology with Lab (<i>human preferred-exclude plant, cell & marine physiology</i>)	1
Microbiology with Lab (<i>fundamentals of microbiology for science majors</i>)	1
Molecular Biology (<i>for science majors-one upper division course</i>)	1
General Chemistry with Lab (<i>for science majors-include inorganic & qualitative analysis</i>)	2
Organic Chemistry with Lab (<i>for science majors</i>)	2
Biochemistry or cell biology (<i>for science majors-one upper division course</i>)	1
Social & Behavioral Sciences - Human Behavior (<i>General Psychology or Introductory Sociology</i>)	1
Microeconomics	1
English - expository writing (<i>required for non-USA educated internationals only</i>)	2

Statistics for 2010 Entering Class Acceptees

Number interviewed:	437
Number accepted:	247
Estimated entering class size:	190
Estimated male (%):	29%
Estimated female (%):	71%
Estimated out-of-state (%):	12%

Application Process and Requirements

Participates in PharmCAS: Yes
 Deadline for receipt of applications: November 1
 Supplemental application required: Yes
 Supplemental application fee: \$85
 Expected GPA: 3.57
 Minimum overall GPA considered: 3.0
 Minimum prerequisite GPA considered: 3.0
 PCAT required: No
 Minimum PCAT scores considered: Not applicable
 Oldest PCAT scores considered: Not applicable
 Interview required: Yes

ogy. The school also offers an interdisciplinary M.S. and professional doctorate (Doctor of Regulatory Science DRSc) in regulatory science. The Ph.D. degree in pharmaceutical economics and policy is offered jointly with the Department of Economics. The M.S. degree in pharmaceutical economics and policy is offered jointly with the School of Policy, Planning, and Development and the Department of Economics.

In addition, the school offers dual degrees with the Gould School of Law (Pharm.D./J.D.), the Marshall School of Business (Pharm.D./M.B.A.), the Keck School of Medicine (Pharm.D./M.P.H.), and the Leonard Davis School of Gerontology as well other programs including the Regulatory Science (Pharm.D./M.S. Regulatory Science).

Post-Baccalaureate Program

The School of Pharmacy accepts a limited number of applicants (if vacancies exist) who hold a recently conferred baccalaureate degree in pharmacy from a college of pharmacy accredited by the Accreditation Council for Pharmacy Education. Such applicants may not be required to meet all pre-pharmacy requirements in order to qualify for admission and, if admitted to the Doctor of Pharmacy program, may be accepted at an advanced level for a minimum of two years (72 semester units) of full-time study.

For Further Information

Admission and Student Affairs:

Office of Admissions and Student Affairs
 Xin Gong, Assistant Director of Admission
 1985 Zonal Avenue, PSC 206A
 Los Angeles, CA 90089 9121
 323 442 1471
 xgong@usc.edu

Financial Aid:

pharmfa@usc.edu
 www.usc.edu/schools/pharmacy

Western University of Health Sciences

College of Pharmacy

Accreditation Status: *Full*
Type of Institution: *Private*
Main Campus: *Pomona, CA*
Branch Campus(es): *None*
Satellite Program(s): *None*



General Information

Founded in 1977, Western University of Health Sciences is a nonprofit, graduate university for the health professions located next to Southern California's historic downtown Pomona. With nine colleges and approximately 2,700 students studying towards advanced degrees in osteopathic medicine, pharmacy, dental medicine, optometry, graduate nursing, physical therapy, physician assistant studies, health professions education, podiatry and veterinary medicine, Western University is one of the largest graduate schools for the health professions in California. A graduate school of biomedical sciences was inducted in 2009.

The College of Pharmacy was founded in 1996 and graduated its first Pharm.D. class in 2000. The College's faculty are dedicated to providing quality education, research and service and over 300 voluntary faculty provide outstanding opportunities for experiential education. The health sciences campus offers unique opportunities for interprofessional collaboration and education.

Classrooms in the College of Pharmacy reflect an innovative design intended to foster interaction between students and professors. Classrooms are hexagonal in shape with a central podium that minimizes the physical distance between the instructor and all students. Six projection screens scroll down from the central area of the classroom to provide an unhindered view of visual media. Students are required to have laptop computers, which can be connected to data ports at each seat, to facilitate access to lecture notes and other educational resources. Each large classroom is surrounded by a number of smaller "breakout" rooms to facilitate group learning activities and student projects. Our student centered program provides a humanistic, interdisciplinary environment that prepares graduates to become highly competent and caring health professionals.

Mission/Vision

The Western University of Health Sciences College of Pharmacy serves society by preparing students for the practice of pharmacy as competent, caring, ethical professionals. Education and training occur in an environment that celebrates diversity, encourages the free exchange of ideas and promotes active learning, scholarship, patient care, and public service. Our graduates will utilize their knowledge and abilities to promote safe and effective drug therapy and improve health care outcomes for the communities and populations they serve.

Curriculum

The Pharm.D. curriculum offers a professional course of study over four years with strengths in the following areas: 1) Foundation courses in the pharmaceutical sciences provide a conceptual framework for understanding drug action, the principles of drug selection, and dosage modification in the context of the biomedical sciences. 2) A foundation in clinical practice is provided through courses that introduce the student to knowledge, skills and attitudes necessary for contemporary pharmacy practice. 3) In a unique curricular design, our block system of education allows students to focus on one subject at a time throughout the second and half of the third professional year in 16 discrete blocks. Each 18 day block focuses on an area of clinical therapeutics that provides a comprehensive approach to disease state management, problem solving, and drug therapy optimization. 4) Experiential education occurs both as early practice and advanced practice experiences. Advance practice experiences occur over the final 15 months of the curriculum. With six 6 week rotations and one 16 week advanced elective (project), students are exposed to supervised clinical practice environments in which they build confidence as health care providers in a variety of structured practice settings.

Admissions Requirements

The Admissions Committee considers applicants with a minimum of two years of college (60 semester or 90 quarter hours) of pre pharmacy study at an accredited college or university in the U.S. Applicants who have received or will receive a baccalaureate degree or have completed units in excess of the minimum required will be considered more favorably. The minimum cumulative pre pharmacy and science grade point average is 2.75 at the time of application. Admission is competitive and based on an applicant's GPA, a personal interview, writing sample, and references.

TOEFL is required for all applicants submitting course work from foreign schools. A minimum score of 213 for the Computer Based test or 79 for the Internet Based TOEFL (IBT) test must be submitted by March 1 prior to matriculation. TOEFL scores are valid for 2 years. For more information regarding the TOEFL test, please visit their website at www.toefl.org.

EXCEPTION: The TOEFL exam will be waived for permanent and temporary residents of the United States who have completed the English and Speech prerequisites of the College from an accredited institution in the United States.

English courses taken from foreign countries whose native language is English will be accepted (e.g., Canada, Australia, Great Britain, New Zealand and the British West Indies).

Other Programs

Pharmaceutical Sciences (M.S.)

Graduate study in the Department of Pharmaceutical Sciences leads to the degree of Master of Science. The graduate program is designed to provide students with research based training in preparation for careers in academia, the pharmaceutical industry, or public/private research institutions. Students

Prerequisite Courses

Course	Semester Hours
College English	3
English Composition	3
General Chemistry with Lab	8
Organic Chemistry with Lab	8
Human Anatomy with Lab (<i>all organ systems</i>)	4
Human Physiology with Lab	4
Microbiology with Lab (<i>med micro preferred</i>)	4
Biochemistry (<i>lab optional</i>)	6
Speech Communication	3
Calculus	3
Electives	6

Statistics for 2009 Entering Class Acceptees

Number interviewed:	436
Number accepted:	198
Estimated entering class size:	119
Estimated male (%):	31%
Estimated female (%):	69%
Estimated out-of-state (%):	2%

Application Process and Requirements

Participates in PharmCAS: Yes
 Deadline for receipt of applications: November 1
 Supplemental application required: Yes
 Supplemental application fee: \$65
 Expected GPA: 3.4
 Minimum overall GPA considered: 2.75
 Minimum prerequisite GPA considered: 2.75
 PCAT required: No
 Minimum PCAT scores considered: Not applicable
 Oldest PCAT scores considered: Not applicable
 Interview required: Yes

are required to complete 20 hours of didactic study and 20 hours of thesis based research in one of the following pharmaceutical sciences specializations: neuro pharmacology, physiology, pharmaceuticals and drug delivery, pharmacokinetics, genetics, environmental toxicology and molecular immunology.

college. Online study guides are provided to prepare for the IA exam. For more information on this program, please refer to the following website: www.westernu.edu/xp/edu/pharmacy/ipbp_about.xml.

For Further Information

International Post Baccalaureate Pharm.D. (IPBP) Program (Doctor of Pharmacy)

The College of Pharmacy offers a unique opportunity for American and/or foreign trained pharmacists with a bachelor's degree (B.S. or equivalent) who wish to progress to the Doctor of Pharmacy (Pharm.D.) degree. Applicants are admitted with advanced standing into the second year of the traditional Pharm.D. curriculum thereby by passing the first year entirely. Thereafter, the remainder of the curriculum is completed within a time frame of three years alongside students in the traditional program. The Doctor of Pharmacy (Pharm.D.) degree awarded to the students in the international program is the same as those awarded to students in the traditional Pharm.D. program. Overall, the admissions criteria is the same as for the traditional program, however applicants for the IPBP program must pass an internal assessment (IA) exam administered by the pharmaceutical sciences faculty within the

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 Director of Admissions for the College of Pharmacy
 Western University of Health Sciences
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 Pomona, CA 91766
 909-469-5542
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Regis University

School of Pharmacy, Rueckert-Hartman College for Health Professions

Accreditation Status: *Candidate*

Type of Institution: *Private*

Main Campus: *Denver, CO*

Branch Campus(es): *None*

Satellite Program(s): *None*



General information

Regis University is a Jesuit, Catholic university located in the heart of Denver, Colorado on the quiet and picturesque Lowell Campus. The School of Pharmacy is the newest component of the renowned Rueckert Hartman College for Health Professions which offers nationally recognized entry-level and graduate programs in health care, including nursing and physical therapy.

Approximately 2,200 students are majoring in health related professions and upon graduation they are actively recruited throughout the nation. Pharmacy students will enjoy a newly renovated facility with state of the art classrooms, laboratories, and learning resource center designed to meet the needs of serious students.

Regis faculty members emphasize excellent teaching, values based education, service learning and scholarship. Regis University educates men and women of all ages to take leadership roles and make a positive impact in a changing society. Class sizes are small which affords students excellent opportunities for individual mentoring and instruction from faculty whose primary purpose is educating the next generation of pharmacists.

We commit ourselves to promote a student centered learning environment that respects the unique needs of the individual.

Denver is an ideal location for fun and relaxation outside the classroom. With a community that emphasizes an energetic lifestyle, students can enjoy skiing, hiking, cycling, running, as well as a wealth of cultural activities to enhance their education.

Mission/Vision

The mission of Regis University School of Pharmacy is to educate men and women to become exceptional and socially responsible pharmacists. We commit to the Jesuit tradi-

tion of values centered education focusing on personal development and leadership in the service of others.

Our graduates will be prepared to improve and transform health care in a global community. We are committed to community engagement, professional leadership, and scholarly activities that contribute to the advancement of pharmacy education, pharmaceutical sciences, and pharmacy practice.

Regis University School of Pharmacy espouses the following core values:

- Integrity—honesty, fairness, respect for individual worth
- Quality—excellence, ability, reputation
- Initiative—purpose, innovation, life long learning
- Commitment—justice, engagement, community
- Service—spirituality, compassion, caring
- Leadership—inspiration, collaboration, accomplishment

These values guide the ways in which we select faculty and staff, chooses students, constructs didactic and experiential learning components, and interacts with the community and profession.

Curriculum

The Doctor of Pharmacy Curriculum at Regis University uniquely combines a highly integrated course curriculum with Team Based Learning (TBL) in a Jesuit learning environment. The curricular content integrates biological, pharmaceutical, and clinical sciences so that basic biological and pharmaceutical concepts are discussed in the context of disease management. Simultaneous to on campus curricular content, students will take part in an experiential component where they will work directly with patients in a variety of healthcare settings. Presenting the course curriculum in this manner encourages students to learn course concepts, and better

understand how biological, pharmaceutical, and clinical sciences fit together.

Most courses are taught using TBL as the main instructional strategy. In a TBL course, students are divided into groups of 5 to 7 members that, as they work together over time, develop into highly functional learning teams. TBL requires students to learn course content before coming to class. Students spend classroom time, in their teams, applying their knowledge of course content to solving problems. To ensure course content comprehension, students are evaluated individually and as a team for each TBL unit, and during mid term and final exams. Students develop strong teamwork skills in TBL courses, enhancing their ability to function as an effective member of a healthcare team.

The tenets of Jesuit education are threaded throughout the curriculum in ethics, faith and service learning courses and experiences. The Regis University School of Pharmacy is the only pharmacy school in the United States to completely integrate the entire course curriculum and use TBL.

Admission Requirements

Applicants must meet the following minimum standards:

- Cumulative grade point average of 2.5* or better.
- Combined science and math grade point average of 2.5* or better.
- Grade of "C" or better in prerequisites. Prerequisites may be in progress at the time of application.
- Eligibility for the program is pending the successful completion of a drug screening and a criminal background check. For a complete list of Disqualifying Offenses please check our website.
- Demonstration of excellent written and oral communication skills in the admissions essay and interview process.
- Submission of the PharmCAS application.

Prerequisite Courses

Course	Semester Hours
Natural Sciences and Mathematics	4
General Biology and Lab I	4
General Biology and Lab II	4
General Chemistry and Lab I	5
General Chemistry and Lab II	5
Organic Chemistry and Lab I	5
Organic Chemistry and Lab II	5
Microbiology and Lab	4
Calculus I	4
Anatomy and Lab	4
Physiology and Lab	4
English Composition	3
Speech Communication	3
Psychology	3
Sociology	3
Social Science Elective	3
Economics	3
Philosophy	3
Religious Studies	3

Statistics for 2009 Entering Class Acceptees

Number interviewed:	208
Number accepted:	149
Estimated entering class size:	53
Estimated male (%):	49%
Estimated female (%):	51%
Estimated out-of-state (%):	59%

Application Process and Requirements

Participates in PharmCAS: Yes
 Deadline for receipt of applications: March 1
 Supplemental application required: Yes
 Supplemental application fee: No fee
 Expected GPA: 3.2
 Minimum overall GPA considered: 2.5
 Minimum prerequisite GPA considered: 2.5
 PCAT required: Yes
 Minimum PCAT scores considered: 30th percentile
 Oldest PCAT scores considered: 2008
 Interview required: Yes

- Submission of PCAT scores to PharmCAS. Regis requires a minimum composite percentile ranking of 30th percentile.
- Three letters of recommendation submitted through the PharmCAS application.
- Work experience is recommended, but not required.
- Demonstrated familiarity with the pharmacy profession and its future.
- Demonstrated evidence of potential for success in doctoral degree program.
- Demonstrated evidence of potential success as a professional.
- Demonstrated evidence of an orientation toward service.
- Demonstrated willingness to work in teams and provide leadership.
- If English is not the applicant's native or first language, the applicant must submit a TOEFL (Test of English as a Foreign Language) score. A minimum score of 82 on the Internet-based TOEFL is required. The TOEFL code for Regis University is 4656.
- While a minimum GPA is required for admission, we expect that competitive applicants for the Doctor of Pharmacy program will have much higher GPAs ranging from 3.0 to 3.6

Applicants to the Doctor of Pharmacy (Pharm.D.) program must complete and submit their application through Pharmacy College Application Service (PharmCAS). Selected applicants will be invited for a one day on-campus interview.

The interview day consists of the following:

- welcome session;
- tour of the campus;
- spontaneous writing exercise;
- multiple mini-interviews;
- lunch with faculty and preceptors;
- introduction to Regis University and the School of Pharmacy;
- team-based learning activity;
- information session with student service organizations (financial aid, housing); and
- "Ask the faculty" session.

Successful applicants will also be required to complete the School of Pharmacy essential functions forms, Regis University standard criminal background check, Regis University standard drug screen, and Colorado State Board of Pharmacy criminal background check to obtain a pharmacy intern license.

For Further Information

Regis University
 School of Pharmacy
 Office of Admissions & Student Operations
 3333 Regis Boulevard, G-9
 Denver, CO 80221-1099
 303-458-4344
 1-800-388-2366 Ext. 4344
 pharmacy@regis.edu
 www.regis.edu/pharmd

University of Colorado Denver

School of Pharmacy

Accreditation Status: *Full*
Type of Institution: *Public*
Main Campus: *Aurora, CO*
Branch Campus(es): *None*
Satellite Program(s): *None*



General Information

The University of Colorado School of Pharmacy was established in 1911 on the Boulder campus.

In 1995, when the Fitzsimons Army Medical Center was officially put on the Base Realignment and Closure list, a proposal to reuse the decommissioned base to build from the ground up a world-class, academic health center, including state-of-the-art health care facilities. In addition, the campus is directly adjacent to the Colorado Science and Technology Park at Fitzsimons, providing opportunities to take university research discoveries into the stream of commerce at an accelerated rate, through affiliation with the biotech companies in the 160 acre development.

Mission/Vision

The University of Colorado School of Pharmacy is a comprehensive institution of higher education committed to excellence in teaching, research and public/professional service in areas unique to the practice of pharmacy and to the pharmaceutical sciences. The school's professional educational programs have as their principal purpose the training of pharmacy practitioners who are compassionate, ethical and caring; scientifically knowledgeable and technically competent; skilled at communication and teamwork; motivated to pursue lifelong learning; and dedicated to fulfilling the public trust by assuring the safe, effective and efficient use of prescription and non prescription drug products.

The school's faculty endorses the concept that pharmaceutical care, defined as "the responsible provision of drug therapy for the purpose of achieving definite outcomes that improve a patient's quality of life", constitutes the essence of the pharmacy profession and as such must provide the foundation for every aspect of the school's professional curriculum. Faculty members are committed to teaching excellence and to continuous

monitoring of the professional curriculum to assure its faithfulness and relevance to the tenets of pharmaceutical care. Pursuant to this commitment, faculty members welcome the scrutiny provided by student and peer evaluations and by outcomes measurements that assess overall teaching quality and lead the way to improvements in the school's instructional programs.

The faculty also is dedicated to the discovery and dissemination of new knowledge. Encouraging faculty members to engage in creative activities that have a positive impact on the well being of society; providing these faculty members with the resources necessary to develop into accomplished scholars; and supporting graduate, post graduate and post professional research training programs are major priorities of the School of Pharmacy.

The faculty of the School of Pharmacy recognizes the value of diversity in enriching the school's cultural, learning and scholarly environment and is dedicated to promoting diversity within itself and among the school's students and staff. To achieve this goal, the school makes every effort to recruit and retain individuals from diverse educational, cultural, ethnic and socioeconomic backgrounds.

The faculty also recognizes its responsibility to advance the profession of pharmacy through public advocacy, provision of opportunities for life long learning and participation in the affairs of local, national and international pharmacy organizations.

Curriculum

The school is nationally recognized for its innovative curriculum that integrates basic and clinical sciences in didactic and laboratory courses. Experiential coursework throughout the program provides students with the opportunity to apply knowledge gained in didactic lectures to the "real world" situation. Our faculty members are national leaders in clinical pharmacy practice and

pharmaceutical sciences research. They bring their experience and expertise to the lecture halls to ensure that students are provided with the most current knowledge and well prepared for their careers. The school supports and cultivates active involvement in the profession through service learning and student organization involvement. Students are placed in experiential sites from the first semester of the curriculum. As they progress through the program, more experience is gained, culminating in their final year of seven, six week advanced pharmacy practice experiences.

Admission Requirements

Applications to the School of Pharmacy are considered only for the fall semester and the supplemental application and PharmCAS application deadline are both December 1. All courses to be completed during the winter, spring and/or summer terms must be listed on the PharmCAS application and a final transcript must be sent when the work is completed. Applications should be sent to PharmCAS.

A minimum cumulative grade point average of 2.5 is necessary to be considered for admission. However, the mean grade point average of the entering class has been 3.5 and above. Thus, admission is highly selective and is dependent upon the number of applications received and the qualifications of the applicant pool for that given year.

Factors considered in the selection of the applicants include the overall cumulative GPA; individual grades in chemistry, biology and mathematics; the Pharmacy College Admission Test scores and a review of the academic record for trends in scholastic aptitude. Because communication skills are essential in the practice of pharmacy, public speaking and English composition also are important factors in the evaluation process. A select number of candidates will be invited for an on site interview before being selected.

Prerequisite Courses

Course	Semester Hours
General Chemistry I & II with labs	8
Organic Chemistry I & II with labs	8
Biochemistry	3
General Biology I & II with labs	8
Microbiology with lab	4
Human Anatomy and Physiology with lab	8
Physics	3
Calculus	3
English Composition I and II	6
Public Speaking	3
Social/Behavioral Sciences/Humanities	9
Economics (<i>Micro Preferred</i>)	3
General Education	24

Statistics for 2009 Entering Class Acceptees

Number interviewed:	347
Number accepted:	259
Estimated entering class size:	158
Estimated male (%):	42%
Estimated female (%):	58%
Estimated out-of-state (%):	50%

Application Process and Requirements

Participates in PharmCAS: Yes
 Deadline for receipt of applications: *December 1*
 Supplemental application required: Yes
 Supplemental application fee: \$50
 Expected GPA: 3.5
 Minimum overall GPA considered: 2.5
 Minimum prerequisite GPA considered: 2.75
 PCAT required: Yes
 Minimum PCAT scores considered: *20th percentile*
 Oldest PCAT scores considered: *3 years*
 Interview required: Yes

A minimum of a “C” is required for all pre-pharmacy core requirements and pass/fail grades are not accepted for these courses. Applicants may be requested to provide course descriptions or syllabi when it is necessary to evaluate course equivalencies.

Students applying for admission must provide transcripts for all foreign and U.S. higher education institutions previously attended through the PharmCAS application process. Transcripts from foreign institutions must be evaluated by a professional evaluation service. The English Composition and Public Speaking requirements must be completed at an English speaking college or university. The transferability and acceptance of course work fulfilling the pre pharmacy requirements will be determined on a case by case basis.

Other Programs

Office of Postgraduate Professional Education

The Office of Postgraduate Professional Education is responsible for the Doctor of Pharmacy Degree Program, Distance Delivery Pathway and for Continuing Pharmacy Education.

The NTPD program is a part time flexible program for working pharmacists who are licensed in the U.S. or Canada. Classes are

delivered online. Clerkship requirements are met through a combination of challenge credit for professional practice experiences and through clerkships performed in traditional or nontraditional formats. The NTPD program is fully accredited by the Accreditation Council for Pharmacy Education. No visits to campus are currently required.

Graduate Programs

There are three fields of graduate research within the Department of Pharmaceutical Sciences that are currently accepting students: Pharmaceutical Sciences, Molecular Toxicology, and Pharmaceutical Outcomes Research.

The Pharmaceutical Sciences Graduate Program is committed to the application of Pharmaceuticals and Medicinal Chemistry to solving problems arising in the field of Pharmaceutical Biotechnology. As such, the program focuses on the formulation, synthesis, manufacture, development, stability, biophysical analysis, characterization, delivery, and biodistribution of biopharmaceutical agents and vaccines. Given the analytical aspects implicit in many of these areas, the research tends to be quantitative and mechanistic in nature, with an emphasis on macromolecular systems (e.g., proteins, nucleic acids, viruses, polymers).

A third field of graduate studies is available through the Pharmaceutical Outcomes Research (POR) area of emphasis within the Pharmaceutical Sciences Ph.D. Program. This graduate curriculum is designed to provide competent and highly skilled researchers for the evaluation of health care interventions and their economic, clinical, and humanistic outcomes. Areas of focus available to students undertaking this course of study include pharmacoeconomics, pharmacoepidemiology, health services research, and drug policy.

For Further Information

Admissions

Julie Rodriguez, Program Assistant
 University of Colorado Denver
 School of Pharmacy
 12631 E. 17th Ave. MS C-238
 Aurora, CO 80045
 303-724-2882
julie.rodriguez@ucdenver.edu
www.ucdenver.edu/pharmacy

Financial Aid

303-556-2886; www.ucdenver.edu/finaid

Nontraditional Admissions

303-315-5228; Fax: 303-315-0831
LaJuana.Cotton@ucdenver.edu
www.ucdenver.edu/pharmacy

University of Connecticut

School of Pharmacy

Accreditation Status: *Full*
Type of Institution: *Public*
Main Campus: *Storrs, CT*
Branch Campus(es): *None*
Satellite Programs: *None*



General Information

The University of Connecticut (UConn) is a Research I University that has been rated as the leading public University in New England. The School of Pharmacy is an upper division school and one of 10 schools and colleges located on the main campus in Storrs, a very beautiful and picturesque area of the state. The School is designated as a regional New England School.

The School has offered the Doctor of Pharmacy (Pharm.D.) as its sole professional degree since 1997. The professional program requires completion of: two years of pre pharmacy requirements, two years in the professional program leading to a Bachelor of Science with a major in Pharmacy Studies (BS Pharmacy Studies), followed by two additional years leading to a Pharm.D. This professional B.S./Pharm.D. program is a full time, four-year program (146 credits professional program plus 64 credits pre pharmacy for a total of 210 credits), making the Pharm.D. graduate eligible to sit for licensure. For the last two years of the professional program (Pharm.D. years), there will be additional tuition and required fees for in state students and proportional increases for New England Regional and out-of-state students.

Resident facilities are available on campus. Students may also add to their classroom experiences by participating in a number of University and pharmacy related clubs and organizations. Many cultural activities are available on campus through the Jorgensen Center for the Performing Arts, the van der Mehdén Music Hall and the William Benton Museum of Art. Division I athletic events also are available on campus. The central location of the University allows students to easily avail themselves of cultural, athletic and social activities in nearby Hartford, New York City and Boston.

Mission/Vision

The mission of the School of Pharmacy is to bring together a diverse group of faculty, staff and students to advance the quality of health care by providing outstanding professional and graduate education, pioneering research in the pharmaceutical sciences and committing to excellence in pharmacist directed patient care. The outcome of the School's educational, research, and service activities shall be the improvement of human health through the discovery and dissemination of knowledge in the many aspects of contemporary pharmacy. In addition, the School of Pharmacy will be regarded by its peers and other stakeholders as amongst the best schools in professional pharmacy education and graduate pharmaceutical education and research. It will be the school of first choice for the most qualified prospective regional, national, and international students. Our graduates will be highly sought after for positions in practice, teaching, and pharmaceutical research. The School will take full advantage of our Connecticut location to enter into strategic partnerships with local pharmaceutical and health care entities to develop innovative, high quality learning experiences and to promote research and extramural funding opportunities.

Curriculum

The professional program is made up of integrated sequences expanding the concepts introduced during the pre professional years, and applying them to pharmaceutical systems: 1) an organ based modular approach incorporating pathophysiology, pharmacology, biochemistry, drug delivery/formulation and therapeutics, 2) application of this knowledge to problem solving and patient cases, 3) a sequence of applied practice based courses including the socioeconomic aspect of the profession and pharmacy administration, and 4) clinical experience with patients.

Admission Requirements

The UCONN School of Pharmacy will accept applications from:

1. Matriculated UConn students who complete their entire pre pharmacy curriculum at a UConn campus, regardless of their residency status.
2. Matriculated UConn students who have completed all of their sophomore level prerequisites at a UConn campus, regardless of their residency status.
3. Connecticut residents* who have completed their pre pharmacy curriculum at regionally accredited, degree granting institutions of higher education (<http://www.elearners.com/resources/agencies.asp>).

*Connecticut State Residency must be demonstrated to the University of Connecticut's Office of Undergraduate Admissions and is determined by the standards set forth by the Connecticut State Statutes: http://www.admissions.uconn.edu/apply/residency_state.php.

Upon meeting the following application requirements, a student is eligible to apply for admittance into the Professional Program: 1) complete all required math, science, and English courses by May for entry into the professional program in the following fall, 2) complete the microeconomics and social science requirements before admission into the fall semester, 3) complete the PCAT by January of year seeking enrollment, and 4) a minimum score of 7.5 on the International English Language Testing System (IELTS) is required of all students for whom English is not the native language or primary language of instruction (www.IELTS.org).

Students who have not fulfilled the University of Connecticut General Education requirements before entering the professional program must do so by May of their second professional year.

Prerequisite Courses

Course	Semester Hours
BIOL 1107–Principles of Biology	4
CHEM 1127Q–General Chemistry	4
CHEM 1128Q–General Chemistry II.	4
MATH 1131Q–Calculus	4
PHYS 1300–Physics for Health Professionals	3
CHEM 2443–Organic Chemistry	3
CHEM 2444–Organic Chemistry II	3
PHAR 2002–Human Physiology & Anatomy	3
PHAR 2003–Human Physiology & Anatomy	3
MCB 2610–Fundamentals of Microbiology	4
MCB 2000–Introduction to Biochemistry.	4
ENGL 1011 or 1010–Academic Writing	4
ECON 1201–Principles of Microeconomics	3
Any 100-level Sociology, Psychology, or Anthropology Course	3

Statistics for 2010 Entering Class Acceptees

Number interviewed	138
Number accepted	100
Estimated entering class size	100
Estimated male (%) . . . . .	.NR
Estimated female (%) . . . . .	.NR
Estimated out-of-state (%) . . . . .	.NR

Application Process and Requirements

Participates in PharmCAS: Yes
Deadline for receipt of applications: January 5
Supplemental application required: No
Supplemental application fee: Not applicable
Expected GPA: 3.3
Minimum overall GPA considered: 3.0
Minimum prerequisite GPA considered: 3.0
PCAT required: Yes
Minimum PCAT scores considered: 70th percentile
Oldest PCAT scores considered: 2 years
Interview required: Yes

Admission to the School of Pharmacy is competitive and based upon the following elements: 1) cumulative grade point average in the math and science prerequisites, 2) overall academic performance, 3) PCAT score, 4) pharmacy related experience, 5) recommendations and personal statement and 6) interview.

Admission to the Pharm.D. professional program is highly competitive. Each fall, 100 candidates are enrolled into the professional pharmacy program. Although a minimal math/science GPA of 3.0 is recommended for application consideration, the average GPA of entering students is 3.3.

Other Programs

Pharmaceutical Sciences (M.S.; Ph.D.)
 The School of Pharmacy also offers a number of courses leading to the degrees of Master of Science and Doctor of Philosophy. Students holding the degree of Bachelor of Science may prepare for the Doctor of Philosophy degree with a major in pharmaceuticals, medicinal and natural products chemistry, pharmacology or toxicology. The Master of Science degree in pharmaceutical sciences may be awarded in the above subject areas.

Pharm.D./Ph.D. Program

The School of Pharmacy offers a joint Pharm.D./Ph.D. Program. This program targets a small number of highly motivated students who seek to combine pharmacy education suitable for professional licensure with advanced research-based training in pharmaceutical sciences. Students completing this program will earn consecutive dual degrees, the Pharm.D. and the Ph.D. Students in the dual track are afforded early acceptance into the Ph.D. program and, if they successfully complete the Pharm.D. curriculum, a modified graduate curriculum will be tailored to shorten the total time required to complete both degrees. Students must meet the admission requirements of both programs and apply to the Ph.D. program in the spring semester of the P2 year as they complete the B.S. in Pharmacy Studies.

Pharm.D./MBA. Degree Program

A joint Pharm.D. /MBA program is offered to highly motivated students who seek to combine pharmacy education and business managerial skills and knowledge. After completing the first two years of study in the School of Pharmacy, students enroll in the MBA Program for the third year, and then return to the School of Pharmacy for the last two years of the Pharm.D. Program, which would consist of both pharmacy and business

courses. Students must meet the admission requirements of both programs and apply to the MBA Program in the spring semester of the P2 year as they complete the B.S. in Pharmacy Studies. Both the Pharm.D. and the MBA will be conferred simultaneously after the program requirements have been successfully met.

For Further Information

Pharmacy Professional Program
 Jenna M. Henderson
 Pharmacy Admissions Coordinator &
 Assistant to the Associate Dean
 University of Connecticut
 School of Pharmacy
 69 North Eagleville Road, Unit 3092
 Storrs, CT 06269-3092
 860-486-2216
www.pharmacy.uconn.edu

University of Connecticut Admissions Office
 University of Connecticut
 2131 Hillside Rd, Unit 3088
 Storrs, CT 06269-3088
 860-486-3137
www.admissions.uconn.edu

Howard University

College of Pharmacy, Nursing and Allied Health Sciences School of Pharmacy

Accreditation Status: *Full*
Type of Institution: *Private*
Main Campus: *Washington, DC*
Branch Campus(es): *None*
Satellite Program(s): *None*



General Information

Located in the capital city of the nation, Washington, D.C., Howard University is the only truly comprehensive university with a predominantly black constituency. The University was conceived by members of the First Congregational Society at a meeting in the District of Columbia in 1866, was founded by an Act of Congress on March 2, 1867. Within the first three years of its existence, the University established a college of liberal arts and schools of law, medicine, pharmacy and religion. Since its founding, more than 55,000 students have been awarded degrees, diplomas or certificates, including graduate and professional degrees. Today, the University's faculty and student body represent every major ethnic group, nationality and religion and represent the 50 states, the District of Columbia and 90 foreign countries.

The School of Pharmacy, formerly the College of Pharmacy and Pharmaceutical Sciences, was organized in 1868 and graduated its first class in 1870. The School holds membership in the American Association of Colleges of Pharmacy (AACCP) and the National Association of Boards of Pharmacy.

Washington, D.C. is an ideal location for an institution for professional pharmacy education. The Nation's capital is a dynamic hub for politics, national treasures, architecture, recreation and the performing arts and is a center for biomedical research and higher education. In a stimulating and healthy setting, Howard University provides a number of activities to enhance the student's development outside of the classroom. Students have easy access to a wide range of opportunities available in the nation's capital and surrounding metropolitan areas. The School of Pharmacy, on the main campus of Howard University, is located just ten minutes from the heart of Washington, D.C.'s business, entertainment and government centers.

Mission/Vision

The mission of Howard University, as a comprehensive, research oriented, predominantly African American university, is to provide an educational experience of exceptional quality at reasonable cost to students of high academic potential. Particular emphasis is placed upon providing educational opportunities for African American men and women and for other historically disenfranchised groups. Furthermore, Howard University is dedicated to attracting, sustaining, and developing a cadre of faculty who, through their teachings and research, are committed to producing distinguished and compassionate graduates who seek solutions to human and social problems in the United States and throughout the world.

Curriculum

Please refer to www.cpnahs.howard.edu/pharmacy for the curriculum and course descriptions.

Admission Requirements

Traditional 4 Year Entry Level Doctor of Pharmacy (Pharm.D.) Program

To be eligible for admission consideration in the entry-level Pharm.D. degree program, an applicant must present evidence of successful completion of the required prerequisite program at the Howard University College of Arts and Sciences OR at any other college or university whose program is accredited by a United States regional accreditation agency.

An applicant must be in good academic standing at each college or university attended and must have a minimum grade point average (GPA) of 2.50 (4.0 scale) in Sciences, Mathematics, English, and Speech and an overall GPA of 2.50 in all pre pharmacy courses. Applications will be available ONLY through the following Web site: www.PharmCAS.org. Please refer to the Web site for the procedures on applying. All qualified

and highly competitive applicants will be contacted for a personal interview.

The deadline for the entry level and Post B.S. program application is December 1 of prior academic year which admission is being sought.

The deadline for early decision application is September 1 of the prior academic year which admission is being sought.

The Post B.S. Doctor of Pharmacy (Pharm.D.) Program

To qualify for the Post B.S. Pharm.D. program, applicants must hold a B.S. specifically in Pharmacy from a program accredited by the Accreditation Council for Pharmacy Education, must have a cumulative GPA of 2.5, and must have passed the North America Pharmacy Licensing Examination (NAPLEX) and a pharmacy State Board Licensure examination. Applicants may also have to take a qualifying examination to determine the level of entry, or take courses that are prerequisites for those required at that level. A minimum of two years in residence, in the program is required and, hence, the candidate will be admitted to the third year of the entry-level Pharm.D. program. Post B.S. Pharm.D. applicants DO NOT apply through PharmCAS. Please refer to www.cpnahs.howard.edu/pharmacy for directions on applying.

Other Programs

The Joint Pharm.D./MBA Degree Program (Pharm.D./MBA)

To be eligible for admission consideration into the Joint Pharm.D./MBA degree program, an applicant must present evidence of successful completion all courses of the 1st, 2nd, and 3rd year of the Professional Program at Howard University and be in good academic standing with a minimum cumulative GPA of 3.00. Students who meet all of the above criteria may apply to the Office of the Associate Dean for admission consideration.

Prerequisite Courses

Course	Semester Hours
English I & II	6
General Chemistry I & II (<i>Inorganic Lectures and Labs</i>)	8-10
Biology I & II (<i>Anatomy/Physiology and Microbiology also accepted</i>)	6
Organic Chemistry I & II (<i>Lectures and Labs</i>)	8-10
Calculus	4
Physics I & II (<i>Lectures and Labs</i>)	8-10
Speech (<i>Public Speaking</i>)	3
Humanities (<i>Art, Music, Literature, Philosophy, Theatre, Drama, Religion, Foreign Language</i>)	6
Socio-Behavioral Sciences (<i>Sociology, Psychology, History, Economics, Anthropology, Philosophy</i>)	6
Electives (<i>Humanities, Socio-Behavioral Sciences, Computer Courses, Statistics, Education, Business</i>)	9

Statistics for 2009 Entering Class Acceptees

Number interviewed:	193
Number accepted:	119
Estimated entering class size:	59
Estimated male (%):	47%
Estimated female (%):	53%
Estimated out-of-state (%):	67%

Application Process and Requirements

Participates in PharmCAS: Yes
 Deadline for receipt of applications: December 1
 Supplemental application required: Yes
 Supplemental application fee: \$45
 Expected GPA: 3.2
 Minimum overall GPA considered: 2.5
 Minimum prerequisite GPA considered: 2.5
 PCAT required: Yes
 Minimum PCAT scores considered: No minimum
 Oldest PCAT scores considered: 5 years
 Interview required: Yes

For additional information, please contact: Dr. Clarence E. Curry, Howard University, School of Pharmacy, 2300 4th Street, NW, Washington, DC 20059, Telephone: (202) 806 6530, E mail: cecurry@howard.edu

THE Non-Traditional Pharm.D. Program (NTDP)

The Non Traditional Doctor of Pharmacy program is designed for registered pharmacists and normally requires two years to complete. Admissions are done in cohorts twice a year. Cohorts consist of not geographically bounded pharmacists who join the program at the same time and will progress through it at the same pace. The didactic portion of this program is implemented through distance learning. They must complete an application and fulfill all requirements of the program listed below:

For additional information, please contact: Dr. Youness Karodeh, Howard University, School of Pharmacy, 2300 4th Street, NW, Washington, DC 20059, E mail: ykarodeh@howard.edu

Graduate Programs (M.S./Ph.D.)

The Department of Pharmaceutical Sciences offer programs leading to the Master of Science and Doctor of Philosophy degrees. The Graduate Program in Pharmaceutical Sci-

ences includes the following areas of specialization: Pharmaceutics; Biopharmaceutics and Pharmacokinetics; Medicinal Chemistry; Pharmacognosy and Natural Products; and, Pharmacy Administration.

For additional information, please contact: Dr. Anthony Wutoh, Howard University, School of Pharmacy, 2300 4th Street, NW, Washington, DC 20059, E mail: awutoh@howard.edu

For Further Information

Office of Student Affairs
 College of Pharmacy, Nursing and Allied Health Sciences
 School of Pharmacy
 2300 Fourth Street, N.W.
 Washington, DC 20059
 202-806-6452/6453
 www.cpnahs.howard.edu

Florida A&M University

College of Pharmacy and Pharmaceutical Sciences



Accreditation Status: Full

Type of Institution: Public

Main Campus: Tallahassee, FL

Branch Campus(es): None

Satellite Programs: Jacksonville, FL; Miami, FL; Tampa, FL

General Information

Florida Agricultural and Mechanical University (FAMU) was founded on October 3, 1887 and is one of eleven institutions in Florida's State University System. FAMU is located in Florida's capital city, Tallahassee, a thriving metropolitan city. For more than 120 years, Florida A&M University has served the citizens of the State of Florida and the nation through its provision of preeminent educational programs . . . programs which were the building blocks of a legacy of academic "Excellence with Caring".

The College of Pharmacy and Pharmaceutical Sciences is one of 14 colleges and schools that comprise the University. The designation, College of Pharmacy and Pharmaceutical Sciences, was made in 1985 in recognition of the expanded role and mission of the College in professional and graduate education.

The College of Pharmacy and Pharmaceutical Sciences is a professional college with limited enrollment and selective admissions. The College of Pharmacy's main campus is located in Tallahassee, Florida with instructional sites in Jacksonville, Miami and Tampa. These instructional sites are affiliated with a major teaching medical center. They create outstanding clinical training opportunities for the student, provide unlimited opportunities for research and support the infrastructure for the College's statewide commitment to pharmacy education and public service.

The College of Pharmacy is housed in the New Pharmacy Building which houses spacious classrooms, a large auditorium, a distance learning facility, state of the art dispensing and computer laboratories, an instructional materials resource center, basic and clinical research laboratories equipped with an array of scientific equipment, and an accredited animal research laboratory.

The College is proud of its place in the forefront of pharmaceutical education. Because

of the interaction of basic science, clinical and research faculty, and a network of advisement and counseling, the College is able to offer the student the benefit of unequalled experiences in preparation for careers in the profession of pharmacy, pharmaceutical sciences, and public health.

The College of Pharmacy and Pharmaceutical Sciences also offers advanced degrees in the Pharmaceutical Sciences and Public Health. Students can pursue a Master of Science (M.S.) or a Doctor of Philosophy (Ph.D.) in Pharmaceutical Sciences. The Master of Public Health (M.P.H.) and the Doctor of Public Health (Dr.P.H.) degrees are offered through the College's Institute of Public Health.

Mission/Vision

The mission of the College, in concert with Florida A&M University, is to prepare students for life long learning and careers in an evolving profession of pharmacy. The College reinforces its mission through an active role and responsibility in the delivery, outcome, and study of pharmaceutical care services it shares with other health care providers. The College is committed to the advancement of pharmaceutical knowledge through teaching, research, and service in a supportive and caring environment that enhances the attainment of educational excellence and the highest standards in professional and ethical practice. The College inculcates cultural sensitivity and diversity through its faculty, student body, and patient care.

Curriculum

The pharmacy curriculum at FAMU College of Pharmacy is a six year program leading to the Doctor of Pharmacy (Pharm.D.) degree. The 0 6 or 2+4 year program may be completed at Florida A&M University or the professional curriculum may be entered following two years of acceptable prerequisites courses at an accredited community college, college or university.

The program provides students with exposure and involvement in educational and cultural activities in preparation for the professional and administrative aspects of general pharmacy practice, institutional practice, and advanced studies. The program is designed to accommodate students with varying pharmaceutical interests and aspirations including post doctoral residency training.

Admission Requirements

The FAMU College of Pharmacy and Pharmaceutical Sciences is committed to admitting students who have diverse cultural and social backgrounds. The College accepts students into the Pharm.D. program during the fall semester only. Acceptance at the first professional year (P1) is determined by availability of space, not the size of the applicant pool. Students admitted to the professional program compete for positions at the first professional year level only.

Pre Pharmacy Program

Admission to the Pre Pharmacy program is completed by the Florida A&M University Office of Admissions in conjunction with the College of Pharmacy and Pharmaceutical Sciences Office of Student Services.

A high school graduate interested in pre pharmacy should apply for admission through the Florida A&M University Office of Admissions. A copy of the student's application materials is sent to the College's Office of Student Services to determine admission eligibility. High school students can apply at the beginning of their senior year through May 1st for fall admission. A minimum of eighteen units of high school work in English, biological sciences, chemistry, physics, mathematics, and social sciences are required. The recommended GPA is a minimum 2.75 and at least a 1010 on the SAT or 21 on the ACT. Additional advanced level math and science courses are strongly recommended.

Prerequisite Courses

Course	Semester Hours
General Chemistry with Lab	8
Organic Chemistry with Lab	8
General Biology with Lab (<i>Botany and Zoology with Lab for science majors</i>).	8
Anatomy and Physiology with Lab	8
Pre-Calculus	4
Calculus	4
Physics w/Lab	8
English Composition	6
Social Science	6
Humanities	6
U.S. History	3

Statistics for 2010 Entering Class Acceptees

Number interviewed:	230
Number accepted:	156
Estimated entering class size:	150
Estimated male (%):	23%
Estimated female (%):	77%
Estimated out-of-state (%):	27%

Application Process and Requirements

Participates in PharmCAS: *No*
 Deadline for receipt of applications: *February 1*
 Supplemental application required: *Yes*
 Supplemental application fee: *No fee*
 Expected GPA: *3.0*
 Minimum overall GPA considered: *2.75*
 Minimum prerequisite GPA considered: *2.75*
 PCAT required: *No*
 Minimum PCAT scores considered: *Not applicable*
 Oldest PCAT scores considered: *Not applicable*
 Interview required: *Yes*

Transfer Applicants

The University undergraduate application for admission must be submitted directly to the FAMU Office of Undergraduate Admissions. In addition, the College of Pharmacy Supplemental Application, official transcripts from all colleges/universities attended, and three letters of recommendation with evaluation forms must be submitted directly to the College's Office of Student Services. The supplemental application and evaluation forms can be found on the College's website. All application materials must be received prior to February 1st for admission consideration for the fall semester of each year.

Although GPA is an important factor, it is not the only basis for admission. In addition to academic competence, the College's admissions committee considers leadership ability, community service, communication skills, and motivation for pursuing a career in pharmacy. After review of applications, selected applicants are invited to the main campus for a required interview. Admission decisions and applicant notification is by April 15.

Applicants for admission as a transfer student to the first year of the professional degree program must be eligible for admission to FAMU. A minimum GPA of 2.75 in college

coursework is required. A grade of "C" or better is required in all prerequisite courses. Performance in science and mathematics coursework is critically evaluated. Please note: All college course loads, withdrawals, repeats and academic career paths will be considered.

Other Programs

The College offers graduate degree programs for students pursuing a career in the Pharmaceutical Sciences and Public Health. The M.S. degree in the pharmaceutical sciences offers emphasis in medicinal chemistry, pharmaceuticals, pharmacology/toxicology and pharmacoconomics. The Ph.D. degree in the pharmaceutical sciences offers emphasis in medicinal chemistry, pharmaceuticals, pharmacology/toxicology and environmental toxicology.

Through the College's Institute of Public Health students can pursue a career in public health. The M.P.H. program requires course work in behavioral sciences and health education, biostatistics, environmental and occupational health, epidemiology, and health policy and management. The Dr.P.H. degree program provides training in behavioral science and health education and epidemiology.

For Further Information

College of Pharmacy Admission:
 Florida A&M University, College of Pharmacy and Pharmaceutical Sciences
 Office of Student Services
 1415 S. Martin Luther King Jr. Blvd.
 Tallahassee, FL 32307
 850-599-3016
 www.pharmacy.famu.edu

University Admission:
 Florida A&M University
 Undergraduate Admissions
 Foote-Hilyer Administration Center, Suite G9
 Tallahassee, FL 32307-3000
 ugradadmissions@famu.edu
 850-599-3796

Financial Aid:
 Florida A&M University
 Office of Financial Aid & Scholarships
 101 Foote-Hilyer Administration Center
 Tallahassee, FL 32307
 850-599-3730
 www.famu.edu

Housing:
 Florida A&M University
 Office of Housing & Residence Life
 1596 Gibbs Hall Trail
 Tallahassee, FL 32307
 850-599-3651

Nova Southeastern University

College of Pharmacy

Accreditation Status: *Full*

Type of Institution: *Private*

Main Campus: *Fort Lauderdale, FL*

Branch Campus(es): *West Palm Beach, FL; Ponce, PR*

Satellite Program: *None*



General Information

Sustained growth and unity have made Nova Southeastern University (NSU) the largest independent university in the state of Florida and sixth largest independent institution in the United States based on enrollment. NSU serves more than 25,000 students enrolled in 16 academic centers, with programs offered in 22 states and several foreign countries. The university currently boasts over 86,000 alumni. NSU's sustained growth is due to its exploration of alternative strategies in educating professionals and its commitment to excellence in academics, clinical training, community service, and well-rounded opportunities for all students. The essence of NSU is collaboration at all levels and with diverse partners.

The university's main campus is located on a lush 300 acre site in Fort Lauderdale, 10 miles inland of the Atlantic Ocean and readily accessible via several highways and Florida's Turnpike. NSU's Health Professions Division (HPD) offers a rare blend of tropical South Florida weather, plentiful sunny beaches, an easily accessible campus, a dedicated and professional faculty, well established affiliations with many hospitals, clinics, pharmacies, and health care systems in the area, and a mission to educate professionals capable of providing the highest quality health care service.

The NSU Health Professions Division (HPD) complex, which includes the College of Pharmacy, is located on 21 acres and encompasses more than 1 million square feet of buildings. Facilities, including classrooms and clinics are state-of-the-art and designed for optimal student learning. In addition to the College of Pharmacy, the division includes Colleges of Osteopathic Medicine, Optometry, Allied Health and Nursing, Medical Sciences, and Dental Medicine. The complex is an arrangement of eight buildings, including the NSU Clinic Pharmacy.

NSU's new 366,000 square foot University

Center is a critical piece in the infrastructure of the university, providing a focal point for campus life. The University Center includes a 4,500 seat arena and concert venue, modern fitness center and athletic training facilities, swimming pool, student union, food court, and a performing arts theatre.

In addition to the Fort Lauderdale site, the pharmacy program has branch campuses available in West Palm Beach (Palm Beach Gardens), Florida and Ponce, Puerto Rico. Each distant site has a complement of full time pharmacy faculty and provides students access to live lectures via interactive video-conferencing.

The College encourages students at all sites to develop an interest in professional activities. Student organizations complement the primary academic purpose of the College and foster scholarship and leadership qualities. A wide variety of student organizations and professional fraternities are available. Students participate in college related decision making through Student Government or committee work.

On campus housing for graduate and professional program students opened in August 2007. For students living off campus, a number of rental apartments are available in the immediate vicinity of the campus.

Mission/Vision

Mission: To educate professionals who will address the pharmacy-related needs of society.

Vision: Through our program of innovative teaching, service, research, and scholarship, we will achieve the distinction of being a premier college of pharmacy.

Values:

- Entrepreneurship
- Excellence
- Innovation
- Integrity

- Professionalism
- Respect for diversity
- Service
- Teamwork

Curriculum

The NSU Pharm.D. degree program is a four-year course of study which follows the completion of required preprofessional coursework. Students may complete their pre pharmacy coursework at NSU or at another accredited college or university. Dual admissions programs with NSU and several other undergraduate institutions are available.

The pharmacy curriculum is comprised of courses and labs which integrate information and build on one another, providing students with the knowledge and skills necessary to be successful in the profession. The first two years of the didactic component of the curriculum build a foundation in the biomedical and pharmaceutical sciences. Students are also introduced to the principles of drug therapy and take courses covering communications, business, and legal aspects of pharmacy and the health care system.

The third year of the curriculum provides additional pharmaceutical science and pharmacy practice information and concentrates on application of material learned. Focus is placed on pharmacotherapeutics, the use of drugs in disease process, and courses that allow students to hone their analytical skills. The curriculum includes an early experience program, which offers students experience in service learning, community, and hospital settings during the first three years.

The final year is spent completing full time advanced practice pharmacy experiences. The College utilizes off campus pharmacy practice sites, most in the immediate area, to provide this experiential education. Students are provided opportunities to interact with patients, pharmacists and other health care providers.

Prerequisite Courses

Course	Semester Hours
General Chemistry with Lab	8
Organic Chemistry with Lab	8
General Biology	3
Anatomy & Physiology	3
General Biology or Anatomy & Physiology	4
Calculus (<i>for science majors</i>)	3
English	6
Statistics (<i>not Business Statistics</i>)	3
Speech	3
Macroeconomics	3
Microeconomics	3
Social/Behavioral Sciences/Humanities	15

Statistics for 2009 Entering Class Acceptees

Number interviewed:	493
Number accepted:	369
Estimated entering class size:	202
Estimated male (%):	34%
Estimated female (%):	66%
Estimated out-of-state (%):	28%

Application Process and Requirements

Participates in PharmCAS: Yes
Deadline for receipt of applications: January 5;
Supplemental application - March 1
Supplemental application required: Yes
Supplemental application fee: \$50
Expected GPA: 2.75
Minimum overall GPA considered: 2.75
Minimum prerequisite GPA considered: No minimum
PCAT required: Yes
Minimum PCAT scores considered: No minimum
Oldest PCAT scores considered: 5 years
Interview required: Yes

Admission Requirements

Information regarding admissions to NSU for prepharmacy coursework can be found at www.undergrad.nova.edu. Information regarding admissions to the NSU College of Pharmacy can be found online at <http://pharmacy.nova.edu>.

The College of Pharmacy selects students based on pre pharmacy academic performance, Pharmacy College Admission Test (PCAT) scores, personal interviews, written applications, and letters of evaluation. Although students are eligible to apply after completing the required 62 semester credit hours, the completion of additional college level coursework is preferred.

All applications for the entry-level Pharm.D. program must be submitted to and processed by Pharmacy College Application Service (PharmCAS). In addition to completing the PharmCAS application, NSU requires the completion of a secondary application. To be considered for the program, students must have submitted completed PharmCAS and secondary applications, including all required supplementary materials; have acceptable overall and math/science grade point averages; acceptable scores on the PCAT; an

acceptable admissions interview; and be able to complete all required coursework prior to matriculation.

Notice of acceptance by the committee on admissions is on a rolling or periodic schedule. Early completion of the application process is in the best interest of the applicant.

Other Programs

Ph.D. Program
 Accepting students for Fall 2011

For Further Information

Nova Southeastern University
 Office of Admissions, College of Pharmacy
 3200 S. University
 Fort Lauderdale, FL 33328
 954-262-1101
 Fax: 954-262-2282
<http://pharmacy.nova.edu>

Palm Beach Atlantic University

Lloyd L. Gregory School of Pharmacy

Accreditation Status: Full
Type of Institution: Private
Main Campus: West Palm Beach, FL
Branch Campus(es): None
Satellite Program(s): None



General Information

Founded in 1968, Palm Beach Atlantic University is a comprehensive, interdenominational Christian university located in West Palm Beach, Florida. The 25 acre campus is minutes from the Atlantic Ocean and beautiful south Florida beaches, and is situated on the Intracoastal Waterway. PBA offers 51 undergraduate majors along with graduate and professional programs in counseling, business administration, leadership, and pharmacy. In addition to the beautiful campus and an outstanding faculty, Palm Beach Atlantic is a values based institution that remains fully committed to enlightening minds, extending hands, and enriching souls through the practical application of Christian principles.

The Lloyd L. Gregory School of Pharmacy at PBA started in 2001 and graduated its first Pharm.D. class in 2005. Accredited by ACPE, the Gregory School of Pharmacy admits 75 students annually so teaching and learning are personalized and interactive. Community service, leadership opportunities, and international and local medical mission trips are just some of the unique experiences pharmacy students at PBA experience. Students also enjoy the use of Gregory Hall, a 44,000 square foot, 4 story facility dedicated solely to pharmacy education and features smart classrooms and lecture halls, laboratories, student lounge, Drug Information Center, student study rooms, and a meditation chapel.

Mission/Vision

The Lloyd L. Gregory School of Pharmacy exists to develop servant leaders within the profession of pharmacy by following Christ's example of serving, teaching, and healing those in need. Teaching is geared toward the primary purpose of preparing future pharmacists who excel in patient care and embrace the practice of pharmacy as a calling. No Ph.D. or M.S. graduate science programs are offered in pharmacy; the School exists exclusively to train pharmacists. Its educational

programs are based on the simple premise that spiritual growth facilitates personal and professional growth. For that reason, faith is an integral part of the learning process and prayer is a common activity within the School. Students do not have to be Christian to attend the Gregory School of Pharmacy, but they need to be comfortable training in a Christian environment in which faith based values are openly discussed and promoted. The faculty strives to help all students, regardless of religious background, integrate their own spiritual beliefs into a value system that promotes the highest standards of character, compassion, leadership and service.

Culture

The School of Pharmacy is student-centered where teaching and learning is the priority. Clinical services, research, and the scholarly work of faculty are secondary to the School's teaching mission. The class size of about 75 students has been kept small to facilitate personalized instruction. Small classes also help to create a community atmosphere in which students get to know faculty and classmates. All classroom instruction is provided face-to-face by highly-qualified professors who value student learning as their highest priority. Faculty members, regardless of discipline, are focused on helping students develop into outstanding pharmacist practitioners who will become servant leaders within our profession.

Instructional Technology

Gregory Hall, along with most of the PBA campus, provides wireless internet access. Pharmacy students are required to purchase a laptop tablet computer upon enrollment. Professors disseminate lecture materials electronically to students prior to class via the University's web-based course management system. Time in class can then be directed toward helping students to understand and apply the material rather than having to dictate basic content. One priority of the School

of Pharmacy is to utilize instructional technology in a manner that automates the direct delivery of information so lectures can be more interactive. The tablet computer enables students to annotate lecture notes during class via either keyboard typing or writing on a screen, and then being able to store all materials for every course on a single device.

Curriculum

The Pharm.D. curriculum is innovative, contemporary, and futuristic. It has been carefully crafted to support the School's commitment to academic and professional excellence, while guiding students through a four year process of holistic growth. Coursework provides a strong science foundation, into which critical thinking and clinical problem solving are progressively integrated. A modular pharmacotherapy sequence seamlessly integrates pharmacology, pathophysiology and therapeutics within eight distinct courses. Three years of didactic instruction culminate in a series of capstone courses that teach students how to apply their scientific and clinical knowledge. The transition from science to practice is facilitated by scheduled experiential excursions into pharmacy practice settings during each of the first three years. This starts with community pharmacy, followed by hospital pharmacy, and lastly by exposure to direct patient care environments. Once the requisite skills have been mastered, students have an entire year of hands-on training experiences in real life pharmacy settings. This final year is structured into nine 4 week experiential rotations, four of which are elective rotations that enable students to hone their skills in areas of special interest.

In addition to core science and pharmacy practice coursework, the curriculum places special emphasis on spiritual and professional development, communication, leadership/management, ethics, and other people skills subjects that are vital to the success of pharmacists in the workplace.

Prerequisite Courses

Course	Semester Hours
Calculus	3-4
English	6
General Chemistry I & II with Labs	8
Organic Chemistry I & II with Labs	8
Biochemistry	3
General Biology I & II with Labs	8
Human Anatomy & Physiology I & II with Labs	8
Microbiology with Lab	4
Economics (<i>Macro or Microeconomics</i>)	3
Elementary Statistics	3
Speech	3
Humanities	9

Statistics for 2010 Entering Class Acceptees

Number interviewed:	215
Number accepted:	NR
Estimated entering class size:	75
Estimated male (%):	40%
Estimated female (%):	60%
Estimated out-of-state (%):	40%

Application Process and Requirements

Participates in PharmCAS: Yes
 Deadline for receipt of applications: February 1
 Supplemental application required: Yes
 Supplemental application fee: \$80
 Expected GPA: 3.45
 Minimum overall GPA considered: 2.75
 Minimum prerequisite GPA considered: 2.75
 PCAT required: Yes
 Minimum PCAT scores considered: 60th percentile
 Oldest PCAT scores considered: 3 years
 Interview required: Yes

Admission Requirements

Admission to the Doctor of Pharmacy degree program requires a minimum of two years of pre professional coursework (66/67 semester credits) at an accredited college or university. Grades below "C-" are not accepted. A minimum grade point average of 2.75 is required for both cumulative and science courses. Science and math courses must have been taken within ten (10) years. It is highly recommended that all courses be completed by May of the same year for which the applicant is seeking admission.

Applicants must apply through PharmCAS (www.PharmCAS.org). The Pharmacy College Admissions Test (PCAT) is required and scores must be reported through PharmCAS. The PCAT should be taken no later than January of the year for which the applicant is seeking admission.

Applicants to the Gregory School of Pharmacy must also:

1. Submit an online supplemental PBA application along with an \$80 non refundable application fee (<http://www.pba.edu/graduatestudies/pharmacy/>).
2. Provide three (3) letters of recommendation from professors, academic

advisors, employers, or supervisors of volunteer activities.

3. Qualified candidates will be invited for an on campus interview.

The School of Pharmacy will not consider applications until all credentials, fees, and test scores have been received. Materials must be received by February 1 of the year desired for admission. Applicants will be offered admission on a rolling or periodic schedule.

Other Programs

The Lloyd L. Gregory School of Pharmacy also offers a Pharm.D./MBA degree. This joint degree program prepares students to assume management responsibilities in the pharmaceutical industry and in health care systems. Candidates must first secure entrance into the Pharm.D. program. After successful completion of the first year of professional pharmacy coursework students may apply for admission to the Pharm.D./MBA joint degree program. Pharm.D./MBA students continue in the Pharm.D. curriculum while beginning to complete business courses and their pre reqs as time and schedules permit. The approximate time required to complete all professional and business coursework is five years. Degree requirements for the joint program include

146 credits of professional pharmacy coursework, 12 credits of undergraduate business prerequisites, and 36 credits of graduate business coursework.

For Further Information

Mr. Lucas Whittaker
 Director Pharmacy Admissions
 Lloyd L. Gregory School of Pharmacy
 Palm Beach Atlantic University
 P.O. Box 24708
 West Palm Beach, FL 33416
 561 803 2750
Lucas_Whittaker@pba.edu
www.pba.edu/pharmacy/

University of Florida

College of Pharmacy

Accreditation Status: *Full*

Type of Institution: *Public*

Main Campus: *Gainesville, FL*

Branch Campus(es): *Jacksonville, FL; Orlando, FL; St. Petersburg, FL*

Satellite Program(s): *None*



General Information

The College of Pharmacy in Gainesville is located in the J. Hillis Miller Health Center complex which includes the Colleges of Dentistry, Health Professions, Medicine, Nursing, Veterinary Medicine and Shands Hospital and Clinics. The College also has three distance education campus sites located in Jacksonville, Orlando, and St. Petersburg where students can complete the four year program. The College's programs are accredited by the Accreditation Council for Pharmacy Education.

The College has active professional organizations, and students may also participate in the College's Student Council organization.

All correspondence concerning application for university housing should be addressed to the Division of Housing, Assignments Office, University of Florida, Gainesville, Florida, 32611.

Mission/Vision

The University of Florida, College of Pharmacy promotes the health and welfare of the citizens of Florida and the Nation by preparing graduates in Pharmacy to take independent professional responsibility for the outcome of drug therapy in patients. Graduates have the scientific and cultural background necessary to assume leadership roles in the profession and the community.

- The College promotes and fosters graduate education in the Pharmaceutical, Clinical, Administrative and Psychosocial sciences. The College educates students to be distinguished contributors to Pharmacy and related disciplines.
- The College provides faculty members the opportunity to develop fully as teachers and scholars.
- The College supports development of quality research programs, which serve to advance the knowledge and skills of pharmacists, other health care professionals and

the associated scientific community.

- The College provides leadership for the continuing professional growth and development of Pharmacy in Florida, nationally, and internationally.
- The College cooperates in a service capacity with other institutions in the provision of specialty advanced training, as well as with the state and the profession in areas where the College Faculty possess unique expertise.
- The College provides opportunities for practicing pharmacists to maintain and enhance their competencies for professional practice.

Curriculum

The College of Pharmacy offers the doctor of pharmacy curriculum. The professional program is designed to provide a scientific and cultural background required for the successful practice of pharmacy. The professional program also provides an excellent base for advanced study leading to careers in research and teaching.

The program in pharmacy is divided into two phases: (1) pre professional and (2) professional. The requirements of the pre professional phase can be completed at any accredited 4 year institution or community college. Students choosing to complete pre pharmacy studies at a college other than the University of Florida should consult the College of Pharmacy section of The Undergraduate Catalog for admission requirements or the College of Pharmacy web site at www.cop.ufl.edu/studaff.

The College offers traditional M.S. and Ph.D. programs in the pharmaceutical sciences. The College also offers on line Master's Programs in the Forensic Sciences, Pharmaceutical Chemistry as well as Masters in Pharmacy Programs through the Department of Pharmaceutical Outcomes and Policy (See below under Other Programs). Postgraduate pharmacy residency and fellowship programs are

available through the College of Pharmacy, Shands Hospital Pharmacy and the Veterans Hospital Pharmacy, in Gainesville and in many facilities throughout the state of Florida.

Admission Requirements

To be competitive for admission consideration to the College of Pharmacy the applicant must have: (1) completed 69 71 semester hours of acceptable college credit with an overall GPA of 3.0 or higher on pre professional college level work attempted; (2) completed all courses required for the desired curriculum as indicated in the program for the freshman and sophomore years in the College of Pharmacy section of the University of Florida Undergraduate Catalog; (3) passed all required preprofessional courses; (4) taken the Pharmacy College Admission Test (PCAT); and (5) passed the College Level Academic Skills Test (CLAST). The CLAST is required by Florida statutes for all students seeking admission to upper division programs in Florida state universities. All applicants should have completed a foreign language two-year sequence in high school or in college (six to eight semester credits).

In addition to specific requirements for admission to the University described in the University Catalog, an applicant for pre professional studies must present satisfactory scores on an acceptable general ability test such as the SAT, ACT, SCAT, or an Associate in Arts degree from an accredited institution.

All applicants to the College of Pharmacy are required to submit scores of the Pharmacy College Admission Test (PCAT). Scores are accepted only from June 2007 until present.

The TOEFL is required for applicants in which English is not the native language.

February 1 is the deadline for submitting the completed application to the University

Prerequisite Courses

Course	Semester Hours
General Chemistry with labs	8
General Biology with labs	8
English Composition	3
Precalculus	4
Analytical Geometry with Calculus I	4
Social and Behavioral Sciences	9
Humanities	9
Organic Chemistry with labs	8
General Physics with labs	8
Anatomy with lab	4
Physiology with lab	4
Public Speaking	3

Statistics for 2009 Entering Class Acceptees

Number interviewed	350
Number accepted	302
Estimated entering class size	300
Estimated male (%)	35%
Estimated female (%)	65%
Estimated out-of-state (%)	2%

Application Process and Requirements

Participates in PharmCAS: Yes
Deadline for receipt of applications: February 1
Supplemental application required: Yes
Supplemental application fee: \$30
Expected GPA: 3.5
Minimum overall GPA considered: 3.0
Minimum prerequisite GPA considered: 3.0
PCAT required: Yes
Minimum PCAT scores considered: 60th percentile
Oldest PCAT scores considered: June 2007
Interview required: Yes

Registrar and to PharmCAS (www.pharmacas.org). Since only one sequence of the required professional courses is offered each year, admission of new students to the College of Pharmacy is limited to the fall semester.

The University of Florida and the College of Pharmacy encourage applications from qualified students from all cultural, racial, religious and ethnic groups and do not discriminate on the basis of handicap in admissions or access to these programs. Admission to this College is a selective process; therefore, meeting the minimum requirements for admission does not automatically guarantee acceptance.

The Admissions Committee of the Office for Student Affairs will consider such factors as educational objectives, adequacy of prerequisites, student performance and academic record, motivation for scholarly achievement and a career in the profession, test data and the student's personal record. Applicants are required to visit the College for an interview.

Other Programs

Master of Forensic Science Online Programs:
www.forensicscience.ufl.edu/

The Forensic Science Program offers a master's or certificate in five areas of concentration:

- Environmental Forensics,
- Forensic Toxicology,
- Forensic Drug Chemistry,
- Forensic DNA & Serology,
- Forensic Death Investigation, Forensic Science

Master of Science in Pharmacy Online Programs: <http://pharmreg.dce.ufl.edu/index.html>.

The University of Florida is pleased to offer four separate part-time, online Master of Science in Pharmacy programs that can provide you with the knowledge and credentials you need to advance at your workplace or pursue a change in career.

Four Master of Science in Pharmacy Concentrations are:

- Pharmacy Regulation & Policy
- Applied Pharmacoeconomics
- Clinical Research Regulation & Ethics
- Patient Safety & Risk Management
- Drug Regulatory Affairs

As distance learning degrees, these Master of Science in Pharmacy programs do not require relocation. These are part-time programs that

require two years to complete. All courses are online and are 7 weeks in length. Most students take only one course at a time. During the course of their study, students must travel to Gainesville for three weekend seminars and one final comprehensive exam.

For Further Information

UF Application Forms:

Office of the Registrar
 Admissions Section
 University of Florida
 Gainesville, FL 32611
 352-392-1374

Pharmacy Program:

Michael W. McKenzie, Ph.D.
 Senior Associate Dean for Professional Affairs
 College of Pharmacy
 Box 100495
 University of Florida
 Gainesville, FL 32610-0495
 352-273-6217
frontdesk@cop.ufl.edu
www.cop.ufl.edu

Hearing Impaired Contact:

Florida Relay Service
 800-655-8700 (voice)
 800-955-8771 (TDD)
 Fax: 352-392-0021

Mercer University

College of Pharmacy and Health Sciences

Accreditation Status: *Full*
Type of Institution: *Private*
Main Campus: *Atlanta, GA*
Branch Campus(es): *None*
Satellite Program(s): *None*



General Information

The College of Pharmacy and Health Sciences was founded in 1903 as an independent college. In 1959, the College merged with Mercer University. In 1981, the College of Pharmacy and Health Sciences became the first pharmacy school in the southeast and fifth in the nation to offer the doctor of pharmacy as its sole professional degree. The College also offers graduate programs in Pharmaceutical Sciences and Physician Assistant studies. The newest addition to the College is the Doctor of Physical Therapy program, which will enroll its first students in August 2010.

The College of Pharmacy and Health Sciences is located on Mercer University's Cecil B. Day Campus, situated on 225 acres in a suburban residential area 15 miles northeast of downtown Atlanta. Facilities for the College include a two-story building which contains two 150 seat classrooms, a 50 seat seminar room, a pharmaceuticals and dispensing laboratory, and a drug research facility. Additional buildings accommodate the PA Program, as well as administrative and faculty offices for the College. The College has six research centers in the following areas: Drug Delivery Research, Clinical Outcomes Research and Education, Clinical Research, Community Pharmacy Practice and Research, Advancement of Teaching and Learning, and the Clinical Laboratory. The Swilley Library and Sheffield Student Center supply additional services to the campus.

The College utilizes 30 metropolitan hospitals, over 200 retail and independent pharmacies and 50 specialty pharmacy facilities to provide practical training for students. Our Atlanta location presents the advantage of exposure to diverse roles for pharmacists.

The College encourages students to develop an interest in professional activities which complement academic pursuits. Student gov-

ernment, service oriented fraternities, and student chapters of national associations are a few of the organizations in which students choose to participate. Excellent student services are offered, including personal counseling and career guidance. Students find Atlanta to be an exciting environment with entertainment and cultural activities, theater and arts, dining and shopping, recreational parks and employment availability.

On campus apartments are available; dormitories are not available. Additional housing assistance is provided. Numerous apartment complexes are also located in the vicinity of the College's campus.

Mission/Vision

The College of Pharmacy and Health Sciences of Mercer University seeks to prepare its professional and post graduate students to effectively contribute to and improve healthcare through excellence in patient centered care and research. The College of Pharmacy and Health Sciences will be recognized nationally for outstanding contribution to health sciences in teaching, service and research.

Curriculum

Mercer's Doctor of Pharmacy degree program requires six years of study following high school: a minimum of two years of pre-pharmacy education at a regionally-accredited college/university and four years of professional curriculum at the College of Pharmacy and Health Sciences. Mercer's Doctor of Pharmacy program is designed to provide the scholastic expertise and clinical acumen necessary to give high-quality patient care in a variety of healthcare settings.

The College offers three special curricular opportunities during the fourth professional year: an Advanced Clinical Track Program, an International Pharmacy Practice Experi-

ence, and an Indian Health Service Practice Experience. The College also offers certificate programs in the areas of Community Pharmacy Ownership, Contemporary Compounding, Diabetes Care, and Geriatrics.

Mercer also has a combined Pharm.D./MBA program and a combined Pharm.D./Ph.D. program.

Admission Requirements

Mercer's College of Pharmacy and Health Sciences uses the PharmCAS application (www.pharmcas.org). A supplemental application is also required from all applicants. Grades for all undergraduate coursework attempted are considered in the admissions process. All applicants are required to take the PCAT and submit scores to PharmCAS. The competitive GPA and PCAT in order to qualify for a required personal interview with the Admissions Committee is determined by the overall strength of the applicant pool. The application deadline for the class entering in August 2011 is February 1, 2011. Due to the large number of applicants and limited number of positions available, acceptance is competitive and selective. Mercer follows a "rolling admissions" policy. Qualified applicants are accepted to the Doctor of Pharmacy program on a continual basis until the class has been filled. Students are encouraged to apply as early as possible. Classes commence in August of each year.

Other Programs

Graduate programs include a Ph.D. in Pharmaceutical Sciences and a Physician Assistant Program that leads to the Master of Medical Science (MMSc) degree. The College also offers a Doctor of Physical Therapy (DPT) degree.

Residency programs are available in Community Pharmacy and Drug Information.

Prerequisite Courses

Course	Semester Hours
General Biology . . . . .	.8
General Chemistry . . . . .	.8
Organic Chemistry . . . . .	.8
Physics . . . . .	.4
Calculus	3-4
English Composition . . . . .	.6
Economics (<i>macro or micro</i>) . . . . .	.3
Speech . . . . .	.3
Humanities Electives . . . . .	.6
Social / Behavioral Science Electives . . . . .	.6
<hr/>	
Other electives to total	60

Statistics for 2010 Entering Class Acceptees

Number interviewed: 500
 Number accepted: NR
 Estimated entering class size: 145
 Estimated male (%): 35%
 Estimated female (%): 65%
 Estimated out-of-state (%): 50%

Application Process and Requirements

Participates in PharmCAS: Yes
 Deadline for receipt of applications: *February 1*
 Supplemental application required: Yes
 Supplemental application fee: \$25
 Expected GPA: 3.5
 Minimum overall GPA considered: 2.5
 Minimum prerequisite GPA considered: 2.5
 PCAT required: Yes
 Minimum PCAT scores considered: *60th percentile*
 Oldest PCAT scores considered: *5 years*
 Interview required: Yes

For Further Information

Student Affairs and Admissions Office
 College of Pharmacy and Health Sciences
 3001 Mercer University Drive
 Atlanta, GA 30341
 678-547-6232
www.mercer.edu/cophs



Philadelphia College of Osteopathic Medicine

School of Pharmacy–Georgia Campus

Accreditation Status: *Precandidate*

Type of Institution: *Private*

Main Campus: *Suwanee, GA*

Branch Campus: *None*

Satellite Program(s): *None*



General Information

Philadelphia College of Osteopathic Medicine (PCOM), an institution nationally recognized for excellence in healthcare education, is opening a School of Pharmacy in August 2010 at its branch campus in Suwanee, Georgia (GA – PCOM) with its roots in the tradition and reputation that PCOM has established over its 110-year history. The PCOM School of Pharmacy has 30,000 ft² of office, classroom and laboratory space just completed and equipped with the latest in classroom and laboratory technology to provide an exceptional educational experience in a caring, student-centered environment. Unique to the PCOM School of Pharmacy program is the fact that it is housed in the same facility as the Georgia Campus College of Osteopathic Medicine and a graduate program in Biomedical Sciences. This provides a great potential for inter-professional education and interaction among pharmacy students, medical students, and graduate students.

Suwanee, Georgia is a suburb of Atlanta, GA and offers an outstanding quality of life. Suwanee is located approximately 30 miles northeast of Atlanta and is well-known around the region for its distinctive parks, play areas and one of the finest public K-12 school systems. There are more than 500 acres of parkland and miles of walking and biking trails. Within minutes of the GA – PCOM campus there is ready access to an extensive variety of shopping, entertainment and restaurants in the Suwanee area. Students have the additional advantage of quick access to Atlanta, Georgia, the eighth largest metropolitan statistical area in the US, and the myriad of options associated with such a large population area. Atlanta and the surrounding area offers world-class shopping, entertainment, golf courses, restaurants, major league sports, museums, and other unique attractions such as the Georgia Aquarium, Six Flags Amusement Park, Lake Lanier which is known for its

great boating and fishing, and an abundance of outdoor activities such as hiking, fishing, and hunting among the scenic mountains and streams in north Georgia. GA – PCOM does not provide housing for students, but does provide assistance in finding affordable housing in the area.

Mission/Vision

The mission of PCOM School of Pharmacy – Georgia Campus, Pharm.D. program is to educate caring, proactive pharmacists according to a model of patient-centered care, a practice of pharmacy in which the practitioner assumes responsibility for a patient's medication-related needs and is held accountable for this commitment. The program educates pharmacists who will prepare and provide drug products and assume responsibility for the rational use of drugs by contributing to the design, implementation, monitoring and modification of therapeutic plans that will achieve defined goals and improve therapeutic outcomes.

Similar to other PCOM programs located on the Georgia campus, the School of Pharmacy maintains a strong regional emphasis to address the social, economic, and healthcare needs of the region, especially in underserved and rural areas. Therefore, there is a focus on recruiting students from areas in Georgia and the region and to emphasize the need for practicing pharmacy in under-served more rural areas in order to improve health services to these populations. The pharmacist is in a unique place to be able to assist in the care of patients that are medically underserved and can collaborate with physicians and other health care providers to expand the scope of pharmacy practice. Students will perform duties reflecting a value that pharmacists are key members of the health care team and will provide cost-effective health care and improve the quality-of-life for the patients that they serve. In this regard, PCOM School of Pharmacy seeks to prepare

generalist, entry-level pharmacists who are able to deliver high-quality pharmaceutical care. However, the curriculum has also been designed to prepare students to gain specialized training in residency or fellowship programs to prepare them for careers in other areas such as specialized clinical practice, research, pharmaceutical industry and academia.

Curriculum

PCOM School of Pharmacy – Georgia Campus offers a four year Pharm.D. degree that will emphasize patient-centered care, a practice of pharmacy in which the practitioner assumes responsibility for a patient's medication-related needs and is held accountable for this commitment. The program will educate pharmacists who prepare and provide drug products and assume responsibility for the rational use of drugs by contributing to the design, implementation, monitoring and modification of therapeutic plans that will achieve defined goals and improve therapeutic outcomes. This model is consistent with the applied emphasis of PCOM's graduate and medical programs.

The curriculum is composed of courses in Biomedical Sciences, Pharmaceutical Sciences, Social/Behavioral/Administrative Sciences, and Clinical Sciences. A number of elective courses will be available to allow students to enhance their knowledge of pharmacy related topics in specific areas. There are five Introductory Pharmacy Practice Experiences (IPPE) in which students are given exposure to pharmacy practice at a variety of different practice sites and begin their hands-on experience. The final year of the program consists of the Advanced Pharmacy Practice Experiences (APPE) in which students are required to complete 8 different rotations, each consisting of 5 weeks at a particular pharmacy practice site.

Prerequisite Courses

Course	Semester Hours*
General Biology I and II with Lab (cellular or molecular Biology with lab or zoology with lab are also acceptable)	8
General Chemistry I and II with Lab	8
Organic Chemistry I and II with Lab	8
Physics with Lab	4
Calculus	3
Introductory Statistics	3
English Composition (3 credits from English Literature is also acceptable)	6
Economics	3
Speech	3
Social/ Behavioral Science: (i.e., History/ Psychology/Sociology/Ethics)	3
Humanities (i.e., Art, Foreign Language, Music, Religion)	3
Electives	8

*Credits are listed as semester credits. To determine equivalent quarter credits, multiply semester credits by 1.5 (2 semester credits = 3 quarter credits).

Statistics for 2010 Entering Class Acceptees

Number interviewed:	NR
Number accepted:	NR
Estimated entering class size:	75
Estimated male (%):	NR
Estimated female (%):	NR
Estimated-out-of-state (%):	NR

Application Process and Requirements

Participates in PharmCAS: Yes
Deadline for receipt of applications: Rolling
Supplemental application required: Yes
Supplemental application fee: \$50
Expected GPA: 3.0
Minimum overall GPA considered: 2.5
Minimum prerequisite GPA considered: 2.5
PCAT required: Yes
Minimum PCAT scores considered: Not reported
Oldest PCAT scores considered: 5 years
Interview required: Yes

Admission Requirements

Admission to PCOM School of Pharmacy – Georgia Campus is competitive and selective. The school is seeking well-rounded, achievement oriented individuals whose maturity and dedication will lead them to a successful career as a pharmacist. Acceptance into the school by the Admissions Committee is based on 1) the applicant’s fulfillment of a minimum of 60 semester hours of prerequisite coursework from an accredited college or university, 2) overall and science grade point average (GPA), 3) Pharmacy College Admission Test (PCAT) scores, 4) prior pharmacy experience and a personal interview. A baccalaureate degree (or graduate or other professional degrees) is not required for admission to the PCOM School of Pharmacy, but students possessing a previous degree will be given additional consideration for admission. Competitive applicants must have obtained an overall cumulative grade point average of 2.50 or higher on a 4.0 scale for all coursework completed. All science and math prerequisites must have been completed within the last 10 years with a letter grade of “C” or higher. There is no minimum score for the PCAT, however composite scores < 50% or individual subtest scores < 25% are less likely to be competitive.

PCOM School of Pharmacy – Georgia Campus participates in the Pharmacy College Application Service (PharmCAS). In addition, a supplemental application available from the PCOM School of Pharmacy website is also required.

Admissions materials consist of:

- PharmCAS Application
- Supplemental Application, including an autobiographical statement
- Official transcripts of all undergraduate and graduate work
- Three letters of recommendation
- \$50 Supplemental Application fee
- Pharmacy College Admissions Test

All applications are processed at the main campus in Philadelphia. All Interviews are conducted at the Georgia Campus in Suwanee and will be scheduled through email using the email address indicated on your admissions application. Please check your email frequently and be sure to notify us of any change.

Along with the completed application, including an autobiographical statement, all official transcripts and a \$50 application fee, three letters of recommendation are needed: ideally one academic letter, one letter from a

practicing pharmacist; and one letter from a work supervisor. All applicants are required to take the Pharmacy College Admissions Test (PCAT) and have their scores submitted either through PharmCAS or directly to the PCOM Office of Admissions.

For Further Information

Aisha DeBerry
 Admissions Coordinator/Recruiter
 PCOM School of Pharmacy – Georgia Campus
 625 Old Peachtree Rd NW
 Suwanee, GA 30024-2937
 678-225-7500
 PharmDadmissions@pcom.edu

South University School of Pharmacy

Accreditation Status: Full

Type of Institution: Private

Main Campus: Savannah, GA

Branch Campus(es): None

Satellite Program(s): Columbia, SC



General Information

The South University School of Pharmacy offers an innovative accelerated Doctor of Pharmacy Program that requires 36 months of full-time attendance for the completion of the 12 academic quarters of study. The School's mission is to serve the public's health care needs by preparing pharmacists to administer superior pharmaceutical care to improve health outcomes for patients. The program facilitates critical thinking, problem-solving skills and scholarship, using state-of-the-art technology to build a strong foundation on the basic medical and pharmaceutical sciences. This atmosphere promotes active student-centered learning that fosters the initiative necessary for life-long professional development. Although the School prepares pharmacists for all areas of practice, special emphasis is placed on the community/primary care environment in which the majority of health care services will be provided in the future. The School embraces the precepts of pharmaceutical care as the foundation of its educational program. The School's professional program provides educational preparedness that will enable its graduates to collaborate with other health professionals and to share in responsibility for the outcomes of drug and related therapy. The knowledge, skills, abilities, attitudes, and values necessary for the provision of pharmaceutical care for the general practice of pharmacy in any setting are basic components of the School's educational program.

South University is a private academic institution with campuses in Savannah, GA, Columbia, SC, West Palm Beach, FL, Tampa, FL, Montgomery, AL, Richmond, VA, Virginia Beach, VA, Charlotte, NC, Raleigh-Durham, NC, Dallas, TX and Novi, MI. The School of Pharmacy is located on the institution's flagship campus in Savannah, GA, and has a satellite campus in Columbia, SC.

In December of 2004 the Pharmacy School occupied a 40,000 square foot state-of-the-art

facility constructed expressly for the School of Pharmacy in Savannah. In June of 2010 a new 26,000 square foot facility opened to house the Columbia Campus satellite pharmacy program.

The pharmacy buildings at both locations are equipped with the technological capabilities necessary to ensure that our students are adequately prepared for our progressive, electronically integrated curriculum delivered between campuses via live synchronous two-way video conferencing. Both facilities are equipped to provide the VTC delivery for both large and small classroom settings as well as to accommodate all live educational requirements for both laboratory and small group delivery of the educational program.

In Savannah the University contracts with two local apartment complexes to offer school sponsored housing in apartment style living within walking distance of the campus. In both Savannah and Columbia, numerous apartment complexes are located in the vicinity of the School's campus.

The University is dedicated to providing educational opportunities for the intellectual, social, and professional development of a diverse student population. The School encourages students to develop interests and professional activities that complement their academic pursuits, facilitate development of leadership, and provide appropriate social interaction. There are a variety of student organizations and professional fraternities available within the School on both campuses. The School's Pharmacy Student Leadership Council (PSLC) is comprised of the student leadership from both campuses. This group coordinates the activities of the School's student organizations and activities, assures appropriate student input into decisions within the School and promotes professionalism in all aspects of student life.

Upon entering the School, all pharmacy students agree to abide by the School Honor Code and the University Code of Conduct, Dress Code and university policies.

Mission/Vision

Mission:

To prepare graduates for the practice of pharmaceutical care and life; long learning, and to promote faculty research, scholarship, and service

Vision:

To become a national leader in pharmacy education

Curriculum

The Doctor of Pharmacy degree is the sole degree offered by the South University School of Pharmacy. The program is designed to assure the education and training of pharmacists to practice contemporary pharmacy effectively as well as adapt to the evolving future practice. Following the completion of minimum of two years of pre-requisite course work at an accredited college or university, students will begin a full-time 12 consecutive quarter doctoral program designed to be completed in three calendar years. This accelerated pace allows an earlier entry into the workforce than a conventional four-year program.

Admission Requirements

Students matriculate into the South University School of Pharmacy once a year in the summer quarter that begins in mid June. Active review of competitive applications begins in September and the deadline for our PharmCAS application is February 1, 2011. For optimum consideration, applicants are encouraged to submit a completed application as soon as possible to PharmCAS.

To be considered for admission, a prospective student must do the following:

Prerequisite Courses

Course	Semester Hours
General Biology/Zoology with lab	8
General Chemistry with lab	8
Organic Chemistry with lab	8
Human Anatomy and Physiology	8
Physics I	3
Calculus	3
English Composition	3
English Literature	3
Psychology	3
History	3
Humanities Electives	3
Social/behavioral sciences or Humanities electives	6
Speech	3
Economics	3

Statistics for 2009 Entering Class Acceptees

Number interviewed:	305
Number accepted:	194
Estimated entering class size:	94
Estimated male (%):	30%
Estimated female (%):	70%
Estimated out-of-state (%):	41%

Application Process and Requirements

Participates in PharmCAS: Yes
 Deadline for receipt of applications: February 1
 Supplemental application required: Yes
 Supplemental application fee: \$50
 Expected GPA: 3.0
 Minimum overall GPA considered: 2.8
 Minimum prerequisite GPA considered: 3.0
 PCAT required: Yes
 Minimum PCAT scores considered: 60th percentile
 Oldest PCAT scores considered: 5 years
 Interview required: Yes

1. Complete, or be in the process of completing, 65 semester hours (or the quarter hour equivalent) of prerequisite course work from a regionally accredited U.S. college or university. The student must earn a grade of 'C' (2.00) or better in each prerequisite course. South University does not offer these pre-pharmacy courses.
2. Earn a minimum cumulative grade point average of 2.80 on a 4.00 scale. (A minimum science GPA of 3.00 is recommended. For students accepted into the most recent class the average cumulative GPA was 3.43 and the average science GPA was 3.45.)
3. Submit to PharmCAS scores from the Pharmacy College Admissions Test (The PharmCAS PCAT code is 104). (The expected minimum PCAT score is considered to be the 60th percentile on the Composite.)
4. Submit to PharmCAS three recommendations on the forms provided.
5. By no later than February 1, 2011 submit a completed Supplemental Application and the supplemental application fee of \$50.00 directly to the South University School of Pharmacy. (The supplemental application may be obtained directly from the School's web-site at www.southuniversity.edu.)
6. Possess the oral and written communication skills necessary to interact with patients and colleagues.
7. Complete the School of Pharmacy's on-campus interview process (by invitation only).
8. Provide all required documents including transcripts, medical forms, and other necessary documentation.

For Further Information

Melissa C. Jones, Pharm.D., BCPS
 Associate Professor and Assistant Dean for Admissions
 709 Mall Boulevard
 Savannah, GA 31406-4881
 912-201-8120
www.southuniversity.edu

The University of Georgia

College of Pharmacy

Accreditation Status: *Full*
Type of Institution: *Public*
Main Campus: *Athens, GA*
Branch Campus(es): *None*
Satellite Program(s): *None*



General Information

In 1784 the General Assembly of Georgia set aside 40,000 acres of land to endow a college or seminary of learning. The University of Georgia (UGA) was incorporated by an act of the General Assembly on January 27, 1785. Georgia thus became the first state to charter a state supported university. The University graduated its first class in 1804. Currently, fifteen colleges and schools, carry on the University's programs of teaching, research, and service.

The University of Georgia is home to some 35,000 undergraduate, professional and graduate students. University facilities are located throughout the state of Georgia and include a wide variety of both educational and recreational sites. The Georgia Museum of Art and the Hodgson Performing Arts Center bring internationally recognized programs to campus. Recreational facilities on campus provide venues for most activities and include golf, swimming, horse riding and tennis. Proximity to Atlanta provides UGA students opportunities for further cultural and recreational activities.

Both on and off campus housing are available in Athens. There are twenty on campus residence halls at UGA and apartment complexes are located throughout the Athens Clarke area. A large married student housing complex is located just south of the College of Pharmacy. Most pharmacy students live off campus with other pharmacy students or with their families. Entering freshmen are required to reside on campus, but this rule would not apply to pharmacy students.

The College (then School) of Pharmacy was established in 1903. The first graduating class was 1908, when three students received their Pharmacy Graduate (Ph.G.) degree. The first women graduated from the College of Pharmacy in 1925. Georgia instituted one of the first four-year required pharmacy degrees in the nation, beginning in 1926. In 1939,

the school was accredited by the American Council on Pharmaceutical Education, a rating that has been maintained continuously since that time.

During the 1950s and 1960s the school grew to the point where a new facility was deemed essential. The current building was completed in 1964. Ground breaking for an addition occurred in November, 2007 and the new facility opened in Fall 2009.

Mission/Vision

The mission of the University of Georgia College of Pharmacy is to:

1. Maximize the health and well being of society by furthering the frontiers of Pharmacy practice and biomedical and clinical research through selection of the finest faculty scholars and the most promising students;
2. Deliver the highest quality education through a state-of-the art Pharmacy care environment and research laboratories; and
3. Provide innovative leadership in advancing and refining the role of Pharmacy as it relates to practitioners and graduate biomedical scientists.

The following values serve to guide our actions and decisions:

1. Integrity - Dedicating ourselves to the highest standards of ethical behavior, honesty and integrity.
2. Quality - Aspiring to excellence in teaching, research, and service and to be recognized as an objective source of current knowledge.
3. Leadership - Providing clear direction for emerging and new perspectives while assuring compassion, flexibility, professional responsibility and personal accountability.
4. Advancement - Furthering education, research and service through continuous improvement and innovation.

5. Collaboration - Promoting partnership, teamwork and mutual respect among ourselves, with other organizations, and with our stakeholders.
6. Diversity - Championing diversity throughout our organization.
7. Service and Outreach - Teaching the skills to assure sustained scholarship and provide life-long learning opportunities through education and service.

Curriculum

The College of Pharmacy offers the Doctor of Pharmacy degree to students who successfully complete the six year study of prescribed courses. The first two years (pre pharmacy) may be completed at any accredited institution of higher education. The last four years (nine semesters) are in the professional program and must be in residence at the College of Pharmacy. In order to receive the Doctor of Pharmacy degree from the College of Pharmacy, a student must have earned academic credit for not less than 60 semester hours in pre pharmacy course work and 146 semester hours of required professional course work. The Doctor of Pharmacy curriculum is summarized below.

The first professional year curriculum introduces the student to "systems" on which the profession is based, e.g., organ systems, drug delivery systems, health care systems, computer systems, communications, and medical terminology.

In the second professional year, the curriculum focuses on drugs - their structure, function, mechanism of action, formulation, and clinical use in patients.

In the third professional year, students construct pharmacotherapy regimens and write plans to monitor drug therapy for efficacy and safety. Pharmacy law, drug policy management and ethics are also emphasized.

During the fourth professional year (three

Prerequisite Courses

Course	Semester Hours
English	6
Inorganic Chemistry with lab	8
Calculus	4
Organic Chemistry with lab	8
Biology	8
Statistics	4
Economics (<i>Macro or Micro</i>)	3
Political Science	3
U.S. History	3
World Languages and Culture	9
Speech	3
Physical Education	1

Statistics for 2009 Entering Class Acceptees

Number interviewed:	243
Number accepted:	173
Estimated entering class size:	138
Estimated male (%):	38%
Estimated female (%):	62%
Estimated out-of-state (%):	1%

Application Process and Requirements

Participates in PharmCAS: *No*
 Deadline for receipt of applications: *February 1*
 Supplemental application required: *No*
 Supplemental application fee: *Not applicable*
 Expected GPA: *Not reported*
 Minimum overall GPA considered: *Not reported*
 Minimum prerequisite GPA considered: *Not reported*
 PCAT required: *Yes*
 Minimum PCAT scores considered: *No minimum*
 Oldest PCAT scores considered: *No limit*
 Interview required: *Yes*

semesters), each student completes eight, five week, full time clerkship rotations in institutional, community, and other patient care settings. Students also are instructed in the creation of pharmacotherapy care plans and professional development.

Admission Requirements

To be admitted to the professional program in the College of Pharmacy, a student must complete pre pharmacy requirements. The two years of pre pharmacy education require satisfactory completion of not less than 60 semester hours of academic work counting toward the pharmacy degree. Applicants to the professional program must take the Pharmacy College Admission Test (PCAT). The fall offering dates are preferred and the January PCAT score is the last that can be considered for admission. In addition to the applicant's grade point average, the selection process utilizes PCAT scores, recommendations and an on campus interview. The College of Pharmacy only accepts students into its professional program for classes beginning in the Fall semester.

The University of Georgia does not currently participate in the PharmCAS program. Application to the College of Pharmacy must be submitted by February 1. Transcripts showing

all college work taken should accompany the application. Students may apply to the College of Pharmacy when they have completed three semesters of academic work. Applicants who are accepted but do not attend for the accepted term must repeat the admission process for a future date. Applicants who are known to have been officially dismissed from another pharmacy program will not be accepted. A student who gains entrance to the College by misrepresentation of facts may be dismissed immediately.

Other Programs

Master of Science and Doctor of Philosophy Programs

The purpose of the program in Clinical and Experimental Therapeutics (CET) is to provide graduate training in therapeutics-related research that directly connects the basic science laboratory with the clinical practice setting. The goal of the CET program is to provide an interdisciplinary training program in therapeutics and drug development research that capitalizes on the resources available at both the University of Georgia and the Medical College of Georgia in Augusta. The members of this program encompass a variety of health-related backgrounds and education and include Pharm.D.'s, M.D.'s and Ph.D.'s.

Pharmaceutical and Biomedical Sciences includes many disciplines and areas of concentration.

Our graduates are uniquely equipped for careers at the interface between the fields of biology and chemistry and are prepared to apply this information and technology to deliver the next generation of novel therapies.

The Pharmacy Care Administration graduate program is designed to educate the student to perform meaningful independent research and to develop scholarly characteristics preparing them for professional careers in academia, research, government, institutional pharmacy, and industry.

The graduate education program in Pharmaceutical and Biomedical Regulatory Affairs is designed to prepare regulatory affairs professionals who are employed in the biotechnology and healthcare product industry, government, academia, and are involved in a range of services related to the manufacturing and testing of pharmaceuticals, medical devices, in vitro diagnostics, biologics, biotechnology, nutritional products, cosmetics and veterinary products.

University of Hawaii at Hilo

College of Pharmacy

Accreditation Status: *Candidate*

Type of Institution: *Public*

Main Campus: *Hilo, HI*

Branch Campus(es): *None*

Satellite Program(s): *None*



General Information

The University of Hawaii at Hilo (UH Hilo) was founded in 1947 and is the only four-year system of higher education on the Big Island of Hawaii. As one of three universities within the University of Hawaii system, UH Hilo ranks in the top 10 for both ethnic diversity and students with low debt at graduation, according to U.S. News and World Reports.

UH Hilo College of Pharmacy (UHH CoP) offers the only academic pharmacy educational and scientific program in the State of Hawaii approved by the State of Hawaii Legislature and the UH Board of Regents. The College of Pharmacy is the only school in the Pacific region to offer a doctorate in pharmacy degree, also called a Pharm.D.

A Pharm.D. from UHH CoP prepares students for a career in pharmacy by providing a diverse academic environment while offering real life experience in clinical and retail settings. UHH CoP embodies a spirit of community, imbued with cooperation, trust and mutual respect.

In 2005, UHH CoP was launched through the recruitment of Founding Dean John M. Pezzuto. In 2007, UHH CoP accepted enrollment of its inaugural class, composed of 90 students. An enrollment of 90 students per year will comprise each subsequent class.

UH Hilo is located on the Eastern side of the island of Hawaii, also called the Big Island, in the city of Hilo, along the slope of Mauna Kea volcano. The Big Island, often referred to as a living laboratory, is a natural for the study of the sciences related to marine biology, astronomy, volcanoes, ecology and the environment generally. UH Hilo overlooks scenic Hilo Bay, is 10 minutes from the tropical rainforests located along the Hamakua coastline that lead to the renowned Kona resorts of West Hawaii, and 30 minutes from Volcanoes National Park, home of Kilauea volcano.

The UHH CoP was awarded Candidate Accreditation Status during the June 2008 Executive Board Meeting of the American Council of Pharmaceutical Education (ACPE) and is on track for being granted full accreditation in May 2011 when its first group of Pharm.D. students will graduate.

Mission/Vision

The mission of UHH CoP is to educate pharmacy practitioners and leaders, to serve as a catalyst for innovations and discoveries in the pharmaceutical science and practice for the promotion of health and well being, and to deliver quality patient care.

UHH CoP's mission is predicated on four over arching goals:

1. Implement academic curricula that lead to a flagship Pharm.D. program that produces graduates committed to serving people via science based practice.
2. Accountability to the Institute of Medicine's core competencies for the health professional workforce.
3. Conduct research that advances the pharmaceutical sciences and makes a difference for humanity inclusive of effects on global health.
4. Cultivate culturally competent, intellectually inquisitive, self-directed, caring pharmacists, who are critical thinkers, problem solvers and life long learners in a changing healthcare environment.

UHH CoP strives for pre eminence in two domains:

1. Recognition among the top 25 Pharmacy programs in the USA.
2. Evidence of scholarship via funded research programs and innovative pharmaceutical care programs to serve individuals, families and communities.

This vision will be attained by:

1. Advancing excellence in pharmacy practice through translational research programs designed to enhance phar-

maceutical healthcare in the State of Hawaii, the Pacific Region and throughout the world.

2. Harnessing the unique and creative energies of Hawaiian, Asian Pacific Islanders and other diverse cultures to create pharmaceutical experientials with applications to global health and health services and research among students, faculty and the larger community.
3. Serving Humanity through pharmacy leaders and scholars whose practice and scholarship is imbued with Humanistic values.

Curriculum

UHH CoP offers a four year course of study leading to the Doctor of Pharmacy (Pharm.D.) degree. Entry into this program requires completion of a minimum of 2 years of pre pharmacy study. Many successful applicants to the program already hold a Bachelor's degree in the sciences.

The first two years of the four year curriculum are rooted in basic and biomedical sciences and the pharmaceutical sciences. These years are aimed at students acquiring knowledge of the scientific underpinnings of pharmacy practice and applications of the theoretical perspectives of pharmacy as a health science discipline. The social, behavioral and administrative sciences that inform pharmaceutical care are integrated throughout the curriculum. Pharmacy practice arenas of therapeutics, drug information, pharmaceutical care, and experiential education permeate each year.

UHH CoP embraces the Institute of Medicine's (IOM) five core competencies for the health science disciplines as key components of the curriculum. These include patient safety, patient centered care, team relationships, technologically informed practices and inter professional education (IPE), which are also endorsed by the American Association of Colleges of Pharmacy (AACCP).

Prerequisite Courses

Course	Semester Hours
General Biology I & II with labs (for science majors)	8
General Chemistry I & II with labs (for science majors)	8
Organic Chemistry I & II with labs (for science majors)	8
Human Anatomy & Physiology I & II with labs	8
Microbiology with lab	4
Calculus I	3
English (including English Composition)	6
Humanities	6
Social/Behavioral Sciences	6
Economics	3
A course with a cultural diversity component	3
Speech	3

Statistics for 2009 Entering Class Acceptees

Number interviewed:	324
Number accepted:	90
Estimated entering class size:	90
Estimated male (%):	53%
Estimated female (%):	47%
Estimated out-of-state (%):	53%

Application Process and Requirements

Participates in PharmCAS: Yes
Deadline for receipt of applications: February 1
Supplemental application required: Yes
Supplemental application fee: \$50
Expected GPA: Average accepted is 3.2
Minimum overall GPA considered: No minimum
Minimum prerequisite GPA considered: No minimum
PCAT required: Yes
Minimum PCAT scores considered: No minimum
Oldest PCAT scores considered: 4 years
Interview required: Yes

Pharmacy Practice Experiences (PPE) are integrated into all four years of the Pharm.D. program. PPE capitalizes on community outreach and service learning that taps into Hawaii's cultural values and diverse biosphere inclusive of its Native Hawaiian Health systems and community practices that embody cultural healing and alternative therapeutics. The wide range of medical specialties available among different healthcare institutions throughout the United States and U.S. Territories such as Guam, American Samoa and Puerto Rico provide clinical sites to fulfill ACPE requirements.

Admission Requirements

To be eligible for admissions into UHH-CoP, students must meet the following requirements:

1. Completion of the prerequisite courses. Students may be in the process of completing their prerequisite coursework at the time of application. However, all coursework must be completed with a grade of C or better before the start of the Pharm.D. program.
2. Completion of the PCAT (www.pcatweb.info) and submission of official scores to PharmCAS (www.pharmacas.org). UHH-CoP suggests that students take the PCAT in October of the application

year or earlier.

3. Completion and submission of the PharmCAS application (www.pharmacas.org), required by February 1, 2011. Students complete and submit the PharmCAS application and fee(s) (www.pharmacas.org) along with official transcripts from all attended regionally-accredited colleges and/or universities, two (2) letters of recommendation, and PCAT scores by the designated application deadline. UHH-CoP operates on a competitive, rolling application basis, early submission of a complete application is strongly recommended. The application cycle opens June 1, 2010.
4. Upon receipt of the applicants PharmCAS application the UHH-CoP Admissions Committee will request the applicant to submit a supplemental application which must be completed and submitted electronically by the date indicated. A supplemental application fee of \$50 is also required.
5. International Applicants must also complete a minimum of 30 semester hours of coursework in the United States at any regionally-accredited college or university. Of the 30 required semester hours, 15 semester hours must be allocated to non-remedial science courses.

Upon submission of all required application components, the complete file and applicant profile will be reviewed by the UHH-CoP Admissions Committee which applies multiple criteria for the assessment of applications and selection of candidates to be interviewed. At the said time, the Admissions Committee will decide to invite the candidate for an interview, place the candidate on hold for further review, or reject the candidate. All candidates who are invited for an interview will be contacted via email. After the personal interview, the applications and interview scores are presented to and reviewed by the Admissions Committee for final admissions decisions.

For Further Information

Office of Admissions
College of Pharmacy
University of Hawaii at Hilo
34 Rainbow Drive, Suite 300
Hilo, Hawaii 96720
Phone: 808-933-7664
Fax: 808-933-3889
<http://pharmacy.uhh.hawaii.edu>

Idaho State University

College of Pharmacy

Accreditation Status: *Full*
Type of Institution: *Public*
Main Campus: *Pocatello, ID*
Branch Campus(es): *Meridian, ID*
Satellite Program(s): *None*



General Information

The College of Pharmacy at Idaho State University (ISU) offers the Doctor of Pharmacy program in Pocatello and Meridian, Idaho. ISU boasts smaller class sizes, more individualized instruction and an opportunity for student involvement.

Students within the College of Pharmacy may participate in a number of pharmacy related clubs and organizations. These organizations are designed to enhance the student experience and prepare the student for a lifetime of professional involvement. University related activities include varsity and intramural sports, outdoor recreation, musical and theatrical productions, and numerous social activities.

Student support services including academic tutoring, health and counseling services and programs to aid economically/socially disadvantaged students are also available.

On campus housing is an option for all students at ISU. Various types of housing and meal plans are available to accommodate almost any need. All units are furnished and local phone and cable services are provided. More information can be obtained by contacting the University Housing Office.

Mission/Vision

The College of Pharmacy, an agent of the State of Idaho, is a nationally recognized, state wide program for the education of pharmacy practitioners in the delivery of pharmaceutical care. The mission includes the preparation of pharmacy practitioners and pharmaceutical scholars of tomorrow by educating those who improve health care through advancing pharmaceutical care and the discovery of knowledge.

Curriculum

Students must first complete prepharmacy course work to be eligible to apply to the four years of professional study in the College of Pharmacy.

The professional curriculum includes three years of academic courses and forty-two (42) weeks of Advanced Pharmacy Practice Experience (APPE). Students should clearly understand that they may be required to complete at least part of their last year at a site other than Pocatello or Meridian. Personal expenses, including travel, food, and lodging while enrolled in the programs are the student's responsibility. Traditional APPE sites have been established in Idaho and Nevada. Other clinical sites throughout the U.S. and Canada can be approved provided that they meet the requirements specified by the faculty of the College.

The College of Pharmacy also offers a Non-traditional Doctor of Pharmacy program. This academic program is intended for practitioners holding a bachelor's degree in pharmacy who desire the opportunity to earn the doctor of pharmacy (Pharm.D.) without returning full-time to the campus. The practitioner/student will complete individualized didactic course requirements through correspondence, using video recordings, detailed syllabi, text-books and interactive web-based case studies. At the completion of all didactic requirements, the practitioner/student will be required to complete 18 weeks of APPE.

It is recommended that students in the Non-traditional Doctor of Pharmacy program complete all didactic courses within three calendar years after enrolling in the program. Before beginning APPE, a second on-campus visit is required during which the student must complete a comprehensive examination of the didactic curriculum. A physical assessment practicum will also be administered at

this time. Following successful completion of these evaluations, students will be given one calendar year to complete the APPE requirements. Every effort will be made to place each student in an appropriate clerkship site convenient to their residence; however, the right must be retained to assign a student to a site away from his/her residence if local accommodations are not available or will not meet the requirements specified by the faculty of the College. The College of Pharmacy also offers a M.S. and Ph.D. in Pharmaceutical Sciences and Pharmacy Administration and a joint Pharm.D./MBA program.

Admission Requirements

The prepharmacy curriculum for resident and transfer students must include the general education requirements as described for an ISU bachelor of science degree and at least the following: two semesters of general chemistry, two semesters of organic chemistry, one semester of biochemistry, two semesters of anatomy and physiology, one semester of physics, one semester of biology or zoology, one semester of microbiology, one semester of calculus, and one semester of economics. Applicants must have completed a minimum of 72 semester credit hours prior to beginning the program.

Applicants are encouraged to obtain pharmacy experience prior to applying for admissions to the Doctor of Pharmacy program. Pharmacy experience can be gained through shadowing, volunteering or working in a paid position within a pharmacy.

Admission to the Pharm.D. program is competitive; the minimum grade point average in all previous college courses must be 2.5 or above. Fulfillment of the specific requirements does not ensure admission to the college.

Doctor of pharmacy students wishing to transfer from another college of pharmacy

Prerequisite Courses

Course	Semester Hours
General Biology	4
General Chemistry I & II with labs	8
Calculus	3
Organic Chemistry I & II with labs	8
General Physics (<i>no lab requirement</i>)	3
General Microbiology with lab	4
Microeconomics	3
Anatomy and Physiology I & II with labs	8
Biochemistry	3

Statistics for 2009 Entering Class Acceptees

Number interviewed:	120
Number accepted:	70
Estimated entering class size:	70
Estimated male (%):	54%
Estimated female (%):	46%
Estimated out-of-state (%):	24%

Application Process and Requirements

Participates in PharmCAS: *No*
 Deadline for receipt of applications: *February 1*
 Supplemental application required: *Yes*
 Supplemental application fee: *\$40*
 Expected GPA: *3.4*
 Minimum overall GPA considered: *2.5*
 Minimum prerequisite GPA considered: *3.0*
 PCAT required: *No*
 Minimum PCAT scores considered: *Not applicable*
 Oldest PCAT scores considered: *Not applicable*
 Interview required: *Yes*

must present the following materials to the Office of the Associate Dean of the College of Pharmacy:

1. A letter certifying good standing by the dean of the college of pharmacy previously attended.
2. All official transcript(s) showing that the prepharmacy requirements of Idaho State University have been completed.
3. A letter to the associate dean requesting evaluation of class standing.

Students applying to the nontraditional Pharm.D. program must hold a valid pharmacy license in one of the states or territories of the U.S. or a valid pharmacy license in one of the provinces or territories of Canada. There is no minimum cumulative GPA required for the program. Students are encouraged to apply regardless of present residence, but admission priority will be given to individuals who practice in Idaho.

Other Programs

Minor in Pharmaceutical Sciences

The College of Pharmacy offers a minor in Pharmaceutical Sciences which is designed to help prepare students for a broad range of career paths in biomedical research and/or the pharmaceutical industry.

For Further Information

College of Pharmacy Admissions
 Campus STOP 8288
 Pocatello, Idaho 83209-8288
 208-282-3475
pharmd@pharmacy.isu.edu
<http://pharmacy.isu.edu>

Chicago State University

College of Pharmacy

Accreditation Status: *Candidate*

Type of Institution: *Public*

Main Campus: *Chicago, IL*

Branch Campus(es): *None*

Satellite Program(s): *None*



General Information

Chicago State University's legacy of excellence began in September 1867. Under the leadership of the school's first principal, Daniel S. Wentworth, the institute, formerly name the Cook County Normal School, acquired a national reputation for providing professional teacher training.

Over the years, the school built new facilities, increased its enrollment and expanded its curriculum, broadening the institution's academic reach. With each transition, the university has kept sight of its educational mission and tradition of excellence. The fully accredited university, which now sits on 161 wooded acres, offers its 7,000 students, 34 undergraduate and 21 graduate degree granting programs in five colleges: Arts and Sciences, Business, Education, Health Science and Pharmacy.

In 2004, the University reached another milestone in its history. It received approval for the initiation of its first doctoral degree in Educational Leadership (Ed.D.) In 2006, the University was also approved to offer the doctoral degree in Pharmacy (Pharm.D.).

The new College of Pharmacy will reside on the third floor of Douglas Hall. The newly renovated space (33,000 square feet) will include state of the art classrooms, lecture halls, research labs, practice facilities, faculty and staff offices and other meeting space.

Students can participate in an array of student organizations and professional fraternities. Such as, Chapters of the Student National Pharmaceutical Association (SNPhA), American Pharmacists Association Academy of Student Pharmacists (APhA ASP), American Society of Health System Pharmacists (ASHP), National Community Pharmacists Association (NCPA), The Rho Chi Honor Society and others.

The Pharmacy Student Council will coor-

dinate the activities of the various student organizations associated with Chicago State University College of Pharmacy (CSU COP). This will assure student input into student programming along with decisions that impact the school's operations and to promote professionalism. Entering students agree to abide by the school's Code of Ethical and Professional Conduct, Standards of Attire, and other university policies governing professional and academic behavior.

Chicago State University is primarily a commuter institution with limited on campus housing. Housing applications are available from the Office of Residence Life. The Office of Residence Life (www.csu.edu/residentlife/) will also assist students with locating off campus housing.

Mission/Vision

The mission of Chicago State University College of Pharmacy (CSU COP) is the development of student and faculty scholars who will impact the health care needs of people in the region, state and the nation. The College will provide a strong foundation in the knowledge, integration and application of the biomedical, pharmaceutical and clinical sciences resulting in practitioners who are committed to humanistic service, capable of providing patient centered care and leaders in advancing the pharmacy profession. The College embraces the mission of the University to educate individuals from economically or educationally disadvantaged backgrounds to strengthen the simultaneous provision of culturally competent care and reduction of health care disparities.

Curriculum

The Chicago State University Pharm.D. degree program is a full time four-year course of study which requires successful completion of the prepharmacy curriculum prior to enrollment. The professional school curriculum is in alignment with the accredi-

tation standards and guidelines and therefore, the curriculum will provide students with a mixture of courses in (1) behavioral, social, and administration, (2) biomedical sciences, (3) pharmaceutical sciences, (4) pharmacy practice and (5) pharmacy practice experiences.

The goals of the CSU COP curriculum are to: (1) Prepare graduates with competencies of entry-level pharmacists, and satisfy the educational requirements for licensure as a pharmacist; (2) Provide practical experiences in interdisciplinary models of practice throughout the program; (3) Emphasize active learning; (4) Promote a continually increasing level of learner independence; (5) Support the development of critical thinking, teamwork, teaching abilities and effective communication skills; (6) Foster active and ongoing examination of one's professional values; (7) Foster an appreciation for scholarship in research and practice; (8) Be grounded in science that includes the knowledge of scientific discipline unique to the practice of pharmacy; and (9) Prepare the next generation of pharmacy leaders.

Admission Requirements

Students interested in completing their prepharmacy coursework at Chicago State University should contact the Undergraduate Admissions Office, Chicago State University, 9501 S. King Drive, Chicago, IL 60628. (www.csu.edu/Admissions/)

To be considered for admission to the CSU COP, a prospective student must do the following: (1) Complete, or be in the process of completing, 61 semester hours of nonremedial, prerequisite coursework from a regionally accredited U.S. college or university. All prepharmacy coursework must be completed by the Spring Semester prior to matriculation; (2) have a minimum cumulative grade point average of 2.50 (on a 4.00 scale) and a minimum grade point average of 2.50 in all math and science coursework as well (all

Prerequisite Courses

Course	Semester Hours
English (<i>composition</i>)	6
General Biology (minimum two semesters with lab)	8
Anatomy (<i>must include all systems</i>)	3
General Chemistry (<i>minimum two semesters with lab</i>)	8
Organic Chemistry (<i>minimum two semesters with lab</i>)	8
Physics (<i>mechanics, thermodynamics, force, and motion must be included. May be non-calculus based</i>)	4
Calculus (<i>integration and differentiation</i>)	3
Speech (<i>public speaking</i>)	3
Economics (<i>micro, macro, or general</i>)	3
Statistics (<i>offered by the mathematics or business departments</i>)	3
General Psychology or Sociology	3
Additional Coursework (<i>divided among the social and behavioral sciences, humanities, fine arts, foreign language, business or computer sciences</i>)	9

Statistics for 2009 Entering Class Acceptees

Number interviewed:	247
Number accepted:	90
Estimated entering class size:	90
Estimated male (%):	42%
Estimated female (%):	58%
Estimated out-of-state (%):	19%

Application Process and Requirements

Participates in PharmCAS: Yes
Deadline for receipt of applications: February 1;
 Supplemental application - March 1
Supplemental application required: Yes
Supplemental application fee: \$50
Expected GPA: 3.2
Minimum overall GPA considered: 2.5
Minimum prerequisite GPA considered: No minimum
PCAT required: Yes
Minimum PCAT scores considered: No minimum
Oldest PCAT scores considered: 3 years
Interview required: Yes

prerequisite coursework must be completed with a grade of "C" or better);(3) submit scores from the Pharmacy College Admissions Test (PCAT); (4) have an acceptable interview (by invitation only); and (5) have demonstrated interpersonal and communications skills. Applicants with coursework from foreign institution must also submit an official, detailed course by course evaluation of this coursework. The applicant must obtain such an evaluation from one of the following services:

- World Education Services (WES)
- Educational Credential Evaluators (ECE)
- Josef Silny & Assoc. International Educational Consultants

Applications to Chicago State University College of Pharmacy are processed through the Pharmacy College Application Service (PharmCAS) (www.pharmcas.org). Therefore, applicants must complete the online application according to the directions on line, submit applicable fees, and have all academic transcripts, PCAT scores and letters of reference forwarded to PharmCAS.

A supplemental application and fee are required. Applicants selected after an initial screening will be invited to campus for an interview (by invitation only). Applicants

are evaluated on potential academic abilities, communication skills, and adaptability to the profession of pharmacy. Students are admitted once a year for an entering class that begins fall semester. The deadline for the supplemental application is March 1, 2011.

For Further Information

Chicago State University
College of Pharmacy
9501 South King Drive
Douglas Hall, Room 206
Chicago, IL 60628
773-821-2500
pharmacy@csu.edu
www.csu.edu/collegeofpharmacy/

Midwestern University

Chicago College of Pharmacy



Accreditation Status: *Full*

Type of Institution: *Private*

Main Campus: *Downers Grove, IL*

Branch Campus(es): *Glendale, AZ*

Satellite Program(s): *None*

General Information

Midwestern University is an upper division undergraduate and graduate degree granting institution specializing in the health sciences with nine colleges, of which two are colleges of pharmacy: the Chicago College of Pharmacy (CCP) and the College of Pharmacy Glendale. Midwestern University is accredited by The Higher Learning Commission, a commission of the North Central Association of Colleges and Schools. The Illinois campus is located on a 105 acre site in Downers Grove, a western suburb of Chicago, and is home to over 1,600 full time students. This campus includes:

- Centennial Hall which features two 175 seat lecture halls, research laboratories and a pharmacy laboratory;
- Littlejohn Hall, an auditorium and resource library designated as such by the National Library of Medicine;
- A Fitness Center with a fully equipped weight room and aerobics exercise room, a gymnasium, a softball field, and a soccer field;
- Alumni Hall, a new classroom laboratory facility for workshops and faculty offices;
- The Commons with a cafeteria, student lounge, and computer center;
- Redwood Hall, a living and learning Center which contains a lecture hall, classrooms, a commuter lounge, chapel, and offices, as well as five floors of residence hall space.

At CCP, students complement their classroom activities by engaging in a variety of professional, social and recreational activities.

The College offers students the opportunity to live on campus in residence halls or apartment housing. The residence hall units feature spacious single or double occupancy rooms with adjoining bathroom facilities. All housing areas include optional board plans.

Mission/Vision

Midwestern University Chicago College of Pharmacy fosters lifelong learning through excellence in education, postgraduate programs, and scholarship. The College encourages the development of professional attitudes and behaviors to prepare pharmacists who will provide exemplary patient care in a culturally diverse society.

The Chicago College of Pharmacy embraces the values of learning and discovery, excellence, professionalism, and collegiality in everything that we do: teaching, patient care, research, and service.

Curriculum

At CCP, students pursue an entry level Pharm.D. degree program, which is comprised of two years of prepharmacy study and four years of professional study. Prepharmacy study must be completed at an accredited college or university prior to admission to CCP. The four years of professional coursework integrates basic science courses, introductory pharmacy practice experiences, clinical science courses, and coursework in the social and administrative sciences. Faculty use a variety of teaching activities including lectures, small group workshops, and laboratories. The final year of the curricular is comprised of six six week advanced pharmacy practice experiences. There are several inter professional courses throughout the curriculum where pharmacy students learn along with students in the University's medical program.

Admission Requirements

To qualify for admission to the entry level Pharm.D. program, students must possess and/or submit the following:

1. Official transcripts documenting successful completion of 62 semester hours or 90 quarter hours of credit

from a regionally accredited college or university or from a recognized Canadian university that uses English as its primary language of instruction and documentation. The College will consider only those courses in which a student receives a grade of C or better.

2. Overall minimum cumulative and pre-pharmacy science grade point averages of 2.50 on a 4.00 scale.
3. Two recommendations, one from a science professor and a second, preferably from a pharmacist.
4. Scores from the Pharmacy College Admission Test (PCAT) from June 2007 or more recently.
5. Other documents as specified by the Admissions Office.
6. An on campus interview is required.

Students who have taken coursework and/or earned a degree from a foreign institution must also submit a course by course evaluation of their foreign transcripts by a recognized transcript evaluation agency.

Students may obtain applications as early as June of the academic year preceding the year in which they plan to matriculate. Applications must be obtained from PharmCAS and the submission deadline is January 5. A supplemental college application will also be required. These are obtained from the University Admissions Office and the submission deadline is March 1.

Other Programs

For select students, CCP offers a Dual Acceptance Program (early assurance program) with Loyola University Chicago College of Arts and Sciences, Benedictine University, Dominican University, Illinois Institute of Technology, Milliken University, Lewis University, University of Saint Francis (Fort Wayne, IN), Hebrew Theological College, University of WI-Milwaukee, Elmhurst College and Rockford College. To receive con-

Prerequisite Courses

Course	Semester Hours
English Composition	6
Biology with lab	8
Human or Vertebrate Anatomy	3
General Chemistry with lab	8
Organic Chemistry with lab	8
Physics (<i>mechanics, heat, force and motion</i>)	3
Calculus (<i>integral and differential</i>)	3
Statistics (<i>general or biostats</i>)	3
Speech/Public Speaking	3
Economics (<i>macro or micro</i>)	3
Social and Behavioral Science Electives (<i>within areas of psychology, sociology, cultural anthropology</i>)	6
General Education Electives (<i>course not related to science, math, physical education or health care</i>)	8

Statistics for 2009 Entering Class Acceptees

Number interviewed:	653
Number accepted:	561
Estimated entering class size:	211
Estimated male (%):	41%
Estimated female (%):	59%
Estimated out-of-state (%):	44%

Application Process and Requirements

Participates in PharmCAS: Yes
Deadline for receipt of applications: January 5;
Supplemental application - March 1
Supplemental application required: Yes
Supplemental application fee: \$50
Expected GPA: 2.5
Minimum overall GPA considered: 2.5
Minimum prerequisite GPA considered: 2.5
PCAT required: Yes
Minimum PCAT scores considered: *Prefer 50th percentile and above*
Oldest PCAT scores considered: 5 years
Interview required: Yes

sideration for the Dual Acceptance Program, students must meet the following eligibility requirements:

1. Be a senior high school student at the time of application;
2. Be admitted to an affiliated college or university, which offers a dual acceptance program;
3. Apply to the dual acceptance program by February 15 immediately prior to the beginning of the student's first year at the affiliated college or university;
4. Score in the top 20% on a national college entrance exam (ACT 25 or higher; SAT of 1700 or higher) To be considered students must submit test scores that include a writing component score;
5. Earn a minimum cumulative grade point average (weighted) of 3.2 on a 4.0 scale;
6. Reflect a people/service orientation through community service or extra-curricular activities;
7. Reflect proper motivation for and commitment to the pharmacy profession as demonstrated by previous work, volunteer, or other life experiences; and
8. Possess the oral and written communication skills necessary to interact with patients and colleagues.

An eligible student should obtain the application from the affiliated college or university that offers the Dual Acceptance Program. The deadline for submitting a completed application is February 15.

Accepted applicants will be ensured a seat at CCP upon successful completion of the following program requirements:

1. All prerequisite pre-pharmacy courses must be completed at the affiliated college or university that offers a dual acceptance program within a two-year period;
2. A minimum cumulative grade point average of 3.20 must be achieved at the end of the spring semester/quarter of the first and second pre-pharmacy years and at the end of all pre-pharmacy coursework at the affiliated college or university;
3. Students must earn a grade of "C" or higher in all required courses. A grade of "C-" or less is not acceptable;
4. Students cannot repeat any prerequisite course for a higher grade;
5. Students must submit all required deposit fees according to the schedule in the matriculation agreement.
6. Students must comply with the requirements outlined in the matriculation

agreement and technical standards certification form, which are provided to the students in the Fall of their second pre-pharmacy year.

For Further Information

The Office of Admissions
Midwestern University
Chicago College of Pharmacy
555 31st Street
Downers Grove, IL 60515
800-458-6253 or 630-515-6171

The Dean's Office
Midwestern University
Chicago College of Pharmacy
555 31st Street
Downers Grove, IL 60515
630-971-6417
www.midwestern.edu/

Southern Illinois University Edwardsville

School of Pharmacy

Accreditation Status: *Full*
Type of Institution: *Public*
Main Campus: *Edwardsville, IL*
Branch Campus(es): *None*
Satellite Program(s): *None*



General Information

Southern Illinois University Edwardsville serves the most populous region of downstate Illinois. The campus is centrally located in the eastern metropolitan St. Louis area; most SIUE students live and work in the industrial and agricultural counties of the Metro East. Interstate highways make the University convenient for those within a 60 mile radius, an area that includes 2.7 million people.

St. Louis, 20 minutes southwest of the campus, is one of the oldest and richest cultural centers of the country, renowned for its symphony, opera, art museums, and conservatories for the arts. It is a center for educational, medical, botanical, biochemical and business research. SIUE is one of four comprehensive universities among more than 20 institutions of higher education in the metropolitan area.

Mission/Vision

The mission of the School is to prepare health care professionals capable of providing high quality health care to meet the diverse pharmaceutical care needs of the citizens of Illinois and to serve the profession of pharmacy through a balanced program of education, research, service and patient care. The School of Pharmacy embraces the educational philosophy of the University, which is dedicated to communication, expansion and integration of knowledge through excellence in its teaching programs; through the scholarly, creative and research activity of its faculty, staff and students; and through professional and community service.

Curriculum

At SIUE, students pursue an entry level Doctor of Pharmacy (Pharm.D.) degree, which is comprised of two years of pre pharmacy study and four years of professional study. Pre pharmacy courses may be completed at a regionally accredited community college, college or university. After admission to

the School of Pharmacy students' complete professional curriculum that consists of 155 credit hours of didactic and experiential coursework. Further information about the Pharm.D. curriculum can be obtained at www.siu.edu/pharmacy.

Admission Requirements

The SIUE School of Pharmacy Admissions Committee is responsible for recommending students for admission to the Pharm.D. program. To qualify for admission to the professional program students must submit the following:

1. Official transcripts documenting completion of the pre Pharmacy curriculum from a regionally accredited college or university. The University will consider only courses in which a student receives a grade of 'C' or better. A minimum GPA of 2.75 is required.
2. Two letters of recommendation.
3. Scores from the Pharmacy College Admission Test (PCAT).
4. A personal interview and on campus writing assignment (for invited applicants only).
5. Other documents as specified by the Admissions Office.

Students may obtain applications in August of the academic year preceding the year in which they plan to matriculate. Beginning with the fall 2011 application cycle SIUE will utilize the PharmCAS application. A \$40 non refundable supplemental application fee is required at the time of application. Further information about admissions can be obtained at www.siu.edu/pharmacy.

For Further Information

Student Life at SIUE is a combination of academic study, residential and out of classroom experience, social interaction, and involvement in campus life. You can also get information on the main SIUE website, www.siu.edu.

Office of the Student Affairs

School of Pharmacy
Southern Illinois University Edwardsville
Campus Box 2000
Edwardsville, IL. 62026-2000
618-650-5150
Fax: 618-650-5152
pharmacy@siue.edu

University Housing Contact Information

Central Housing Office
Campus Box 1056
Rendleman Hall
Edwardsville, IL 62026-1056
618-650-3931
Fax: 618-650-3864
housing@siue.edu

Prerequisite Courses

Course	Semester Hours
English Composition	6
Interpersonal communication/public speaking	3
Economics	3
Art, Literature or Music	3
Social Sciences	3
Critical Thinking	3
General Biology with labs	8
Anatomy and Physiology with labs	8
General Chemistry with labs	10
Organic Chemistry with lab(s)	8
Calculus	5
Physics with labs (<i>may be non-calculus based</i>)	10

Statistics for 2009 Entering Class Acceptees

Number interviewed:	177
Number accepted:	83
Estimated entering class size:	83
Estimated male (%):	42%
Estimated female (%):	58%
Estimated out-of-state (%):	5%

Application Process and Requirements

Participates in PharmCAS: Yes
 Deadline for receipt of applications: December 1
 Supplemental application required: Yes
 Supplemental application fee: \$40
 Expected GPA: 3.6
 Minimum overall GPA considered: 2.75
 Minimum prerequisite GPA considered: 2.75
 PCAT required: Yes
 Minimum PCAT scores considered: No minimum
 Oldest PCAT scores considered: Last 5 attempts as reported by PCAT
 Interview required: Yes



University of Illinois at Chicago

College of Pharmacy

Accreditation Status: *Full*
Type of Institution: *Public*
Main Campus: *Chicago, IL*
Branch Campus(es): *Rockford, IL*
Satellite Program(s): *None*



General Information

Organized in 1859 as the Chicago College of Pharmacy, the University of Illinois at Chicago, College of Pharmacy is the oldest college in the University of Illinois system. In 1984, the College implemented a new curriculum leading to the doctor of pharmacy (Pharm.D.) degree; it is the College's only entry level degree program.

The College occupies a six story building constructed in 1954 and expanded in 1969; it is in the heart of the Illinois Medical District, immediately adjacent to the University of Illinois Medical Center at Chicago. Facilities include lecture halls, classrooms, laboratories, a computer based learning center, faculty and administrative offices, and student lounge and locker room. The Library of the Health Sciences, located one block from the College of Pharmacy, is one of the largest collections of its kind and the largest in the Midwest. The University of Illinois at Chicago is a half mile west of Chicago's Loop easily accessible by public transportation and private automobile.

Student organizations include Academy of Students of Pharmacy (ASP), Student National Pharmaceutical Association (SN-PhA), American Society of Health System Pharmacists (ASHP), Academy of Managed Care Pharmacy (AMCP), and others. Four pharmacy fraternities are active in the College. Students enjoy the facilities and services of the Sport and Fitness Center of the Student Center West, which includes racquetball courts, gymnasium, swimming pool, weight room, sauna and craft shops. Students attend cultural activities of the University of Illinois at Chicago. The musical, theatrical, dance, film and artistic events in the city of Chicago are readily accessible.

The University offers room and board in modern, comfortable residence halls, with both traditional accommodations and apartment configurations.

The Pharm.D. Program at Rockford

In direct response to the continued shortage of pharmacists in Illinois and the need to train pharmacists to practice in rural areas of the state, the University of Illinois at Chicago College of Pharmacy created the Rockford Program as a regional pharmacy program for Illinois. The Rockford Program will admit its first students in 2010 and graduate its first class in 2014. The College will provide all four years of pharmacy education on the Rockford campus and at pharmacy practice experience sites in the Rockford area, as well as throughout Illinois. The Rockford Program will be fully accredited by the Accreditation Council for Pharmacy Education (ACPE) and students will complete the same curriculum as students on the Chicago campus. The majority of classes will be taught via distance education using state of the art technology. Select students will be admitted to the Rural Pharmacy (RPharm) program. These students will have rural backgrounds and will receive training and mentorship focusing on the health care needs of rural communities. Students in this program will train with medical students from the University of Illinois College of Medicine at Rockford Rural Medicine (RMED) program to help prepare them to meet the health care needs of rural communities in the future.

The College of Pharmacy will share facilities with the University of Illinois College of Medicine at Rockford, which is located on a beautiful 20 acre, wooded site in residential Rockford. The facilities include an auditorium, classrooms, teaching and research laboratories, media services, an activity center, and faculty and administrative offices.

Mission/Vision

The UIC College of Pharmacy provides leadership in education, research, public service, entrepreneurship and business activities and patient care to guide and serve the pharmaceutical care needs of society extending from the people of Illinois to the global commu-

nity. As a leader, the College must continue to excel in the following:

1. Creating educational experiences in all programs that support the professionalization of students and prepare them for career adaptability/flexibility in a changing research and practice environment;
2. Supporting an infrastructure that encourages and promotes faculty success and vitality in all aspects of their work (education, research, public service and patient care) and fosters ongoing career development;
3. Seeking collaborative entrepreneurial relationships to advance learning, science and practice; and
4. Building, enhancing and valuing alliances with many constituents.

Curriculum

The Pharm.D. program consists of four years of specified, sequential coursework. The curriculum in the College of Pharmacy is uniform for all students, except for 12 semester hours of professional electives. In the first three years, course sequences include pathophysiology, pharmacoeconomics, management, nonprescription drugs and herbal medicinals, pharmaceuticals, pharmacy law, pharmacy services and reimbursement, social and behavioral pharmacy, a series of experiential courses and a series of eight integrated courses covering pharmacology, pharmacokinetics, medicinal chemistry, toxicology and pharmacotherapy of disease states as well as introductory pharmacy practice experiences. The fourth year is comprised of advanced pharmacy practice experiences. Faculty advisors, administrators, departmental faculty and other College staff are available to assist students.

Admission Requirements

The College of Pharmacy Admissions Committee is responsible for admitting students to the Pharm.D. program. In addition to

Prerequisite Courses

Course	Semester Hours
Written Communication	6
Speech Communication	2
General Biology with Labs	8
General Chemistry with Labs	8
Organic Chemistry with Labs	8
General Physics	8
Human Anatomy (<i>all organ systems; if sequence is offered by school, all courses in sequence must be taken</i>).	4
Calculus (<i>integrals and derivatives must be covered</i>)	3
Humanities	3
Social or Behavioral Sciences	3
Economics (<i>macroeconomics or microeconomics</i>)	3
Electives (<i>if necessary to ensure 60 minimum pre-pharmacy credit hours</i>)	0-4

Statistics for 2010 Entering Class Acceptees

Number interviewed	300
Number accepted	230
Estimated entering class size	210
Estimated male (%)	35%
Estimated female (%)	65%
Estimated out-of-state (%)	25%

Application Process and Requirements

Participates in PharmCAS: Yes
Deadline for receipt of applications: Rolling admissions (September – March)
Supplemental application required: Yes
Supplemental application fee: \$40
Expected GPA: 3.5
Minimum overall GPA considered: 2.75
Minimum prerequisite GPA considered: 2.75
PCAT required: Yes
Minimum PCAT scores considered: No minimum
Oldest PCAT scores considered: 2 years
Interview required: Yes

specific requirements, factors considered in the evaluation of qualities essential for the study of pharmacy are health, emotional stability, maturity, integrity and motivation. All students must complete a minimum of 60 semester hours of pre pharmacy study at an accredited college or university.

If science course work was taken more than five years prior to admissions application, students must have their transcripts evaluated by a College of Pharmacy admissions counselor.

Additional requirements are a cumulative, science/math, and prepharmacy grade point averages of 2.75 (A=4.0) and submission of Pharmacy College Admission Test (PCAT) scores no more than 2 years old. As part of the application process, a statement describing goals and reasons for pursuing a career in pharmacy, two letters of recommendation, and a personal interview are required. Requests for modification in the admissions process will be considered as a result of a disability.

Other Programs

The University of Illinois at Chicago College of Pharmacy offers three joint degree programs - Pharm.D./MSCTS, Pharm.D./

MSHI, and Pharm.D./Ph.D.. These programs combine the Pharm.D. with masters degrees in clinical and translational science or health informatics and the Pharm.D. with any of the Ph.D. programs offered in the College: Biopharmaceutical Sciences, Medicinal Chemistry, Pharmacognosy, and Pharmacy (pharmacy administration).

The Pharm.D./MSHI joint degree program integrates Pharmacy Science and clinical practice with health informatics, the goal being identification, collection, processing and management of information to support pharmacy practice, administration, education and research. It promotes the expansion of pharmacy knowledge and leadership and is an important new dimension of pharmacy practice. Students in this joint program learn to identify the social issues that inhibit the effective use of information technology in health care and to apply creative solutions that address these issues.

The School of Public Health and College of Pharmacy offer a joint Pharm.D./M.S. in Clinical and Translational Science degree program. This five year program prepares pharmacy school graduates with the skills required to combine their clinical knowledge with the knowledge and skills needed

for careers as researchers in the clinical and translational sciences.

Highly qualified pharmacy students who are interested in both the clinical aspects of pharmacy and research in the pharmaceutical sciences are invited to consider the joint Pharm.D. /Ph.D. program. This exciting new addition to our programmatic offerings makes it possible for students to earn both degrees more quickly than would be possible if each were done separately. Ordinarily, it would take 8-9 years to complete these two degrees. The joint program offers the potential of reducing that time from two to four years beyond the usual Pharm.D. to a total of 6 to 8 years.

For Further Information

Dr. Thomas TenHoeve
 University of Illinois at Chicago
 Office of Student Affairs (MC 874)
 833 S. Wood Street, Room 154
 Chicago, IL 60612-7230
 312-996-7242
www.uic.edu/pharmacy/student_affairs

Butler University

College of Pharmacy and Health Sciences

Accreditation Status: *Full*
Type of Institution: *Private*
Main Campus: *Indianapolis, IN*
Branch Campus(es): *None*
Satellite Program(s): *None*



General Information

Butler University is a co educational, privately supported institution of higher learning founded in 1855. Its scenic 300 acre campus is located in a residential area approximately five miles from the heart of Indianapolis. Excellent cultural, recreational and shopping facilities are readily available as are churches, public and parochial schools and museums.

The building which houses the College of Pharmacy is located on the campus. An addition doubling the size of the building was completed in 2009. The laboratories, classrooms and research facilities are of modern design and completely renovated or new in 2009. The entire building with its extensive equipment is devoted exclusively to the education of students in pharmacy and health sciences.

Butler University is genuinely concerned about the overall quality of life of its students. Through the Office of Student Affairs and under the direction of the Vice President for Student Affairs, Butler provides a wide range of programs, activities and support services which are designed to meet the curricular and extracurricular needs of its students. The various student services include career planning and placement, counseling, student health, student activities and the Atherton Student Center, University Safety, Greek affairs, residential life, food service, intramural sports, campus wide recreation, international student advisement and judicial affairs.

Mission/Vision

The mission of the College of Pharmacy and Health Sciences is to provide effective educational experiences in the health sciences. By so doing, the College facilitates the development of life long learners with a liberal arts foundation who are able to serve society as dedicated, competent health professionals and community leaders.

Curriculum

With a strong foundation in the liberal arts and basic sciences, students develop the essential knowledge and skills to provide the highest quality pharmaceutical care for their patients. Curricular emphasis is focused on the pharmacist's role in disease state management. A combination of traditional lecture, structured laboratories, and cooperative and case based learning is used to create a student centered learning environment. Structured experiential programs in the 6th year guide the student to professional expertise in a variety of practice settings.

Students entering the professional phase of the program participate in a computer enriched curricular experience. To support this initiative, notebook computers are provided to all first professional year students for use over the next 4 years.

The complete Pharm.D. curriculum contains 210 semester hours, 170 of which are didactic coursework and 40 hours of which are experiential credit representing 1600 hours of pharmacy related practice experience.

Admission Requirements

Students apply to the University by on-line application or written application to the Office of Admission. A non-refundable \$35 application fee must accompany the written application. For admission to the pre-professional phase, applications must be completed by December 1. The high school submits official transcripts which include class rank, cumulative GPA and test scores to the Office of Admission, Butler University, 4600 Sunset Avenue, Indianapolis, IN 46208.

Prospective pharmacy students should complete the college preparatory course in high school, which should include at least three years of mathematics, four years of English and three years of a lab science, e.g., biology,

chemistry, and physics, two years of social sciences and two years of a foreign language. Additional units of biology, physics, chemistry, and mathematics are recommended.

Butler requires 68 semester hours of college be completed prior to admission into the professional phase of the pharmacy program.

Completion of the Butler Core curriculum is waived for students with a baccalaureate degree.

When applying to the pre-professional phase, transfer students may be credited with not more than two prepharmacy years of study for academic credit completed at other colleges and universities. The amount of credit transferred will depend upon individual case review.

Transfer students applying to the professional phase (third year) of the pharmacy program must submit results of the Pharmacy College Admissions Test (PCAT) as well as official transcripts to an online application service, www.pharmacas.org. Butler University accepts 20-30 transfer students into its professional pharmacy program annually. Admission is based on the student's cumulative GPA for all coursework completed at all universities, performance on the PCAT, and an attribute assessment through an interview.

Students who complete all of their prepharmacy coursework at Butler University are eligible for direct admission into the professional curriculum on the basis of their grade point average in selected prepharmacy courses and PCAT composite scores. Students also undergo an attribute assessment through an interview that is also used in the admission process.

Butler offers advanced placement, with appropriate academic credit, in all subjects covered by either of the two College Entrance Examination Board programs: the Advanced Placement examinations and the College Lev-

Prerequisite Courses

Course	Semester Hours
FYS101 First Year Seminar	3
FYS102 First Year Seminar	3
CH105 General Chemistry with lab.	5
CH106 General Chemistry with lab.	5
CH351 Organic Chemistry with lab.	5
CH352 Organic Chemistry with lab.	5
BI105 Introductory Cell Biology	3
PX311 Human Anatomy (<i>without lab</i>).	3
BI325 Pathogenic Microbiology	3
MA106 Calculus and Analytical Geometry	5
PX315 Human Physiology	4
Core Div. 3 Social Sciences	3
COM102 Public Speaking	3
Core Division 2 Fine Arts	3
Core Div. 1 Humanities	3
PWB Physical Well-being	1
GHS201-209 Global & Historical Studies (<i>complete 2</i>).	6
PX325 Ethical Issues in Health Care.	3
PX100 Health Sciences Seminar	1
PX200 Introduction to Professional Practice	1

Statistics for 2009 Entering Class Acceptees

Number interviewed.	NR
Number accepted	126
Estimated entering class size	NR
Estimated male (%)	NR
Estimated female (%)	NR
Estimated out-of-state (%)	NR

Application Process and Requirements

Participates in PharmCAS: *Yes*
 Deadline for receipt of applications: *February 1*
 Supplemental application required: *No*
 Supplemental application fee: *Not applicable*
 Expected GPA: *3.0*
 Minimum overall GPA considered: *3.0*
 Minimum prerequisite GPA considered: *Not reported*
 PCAT required: *Yes*
 Minimum PCAT scores considered: *55th percentile*
 Oldest PCAT scores considered: *3 years*
 Interview required: *Yes*

el In-state Examination Program tests. Scores required for credit have been established by the appropriate department heads.

For Further Information

Office of the Dean
 College of Pharmacy and Health Sciences
 Butler University
 4600 Sunset Avenue
 Indianapolis, IN 46208
 317-940-9969
 800-368-6852 Ext. 9969
 www.butler.edu/cophs

Purdue University

College of Pharmacy

Accreditation Status: *Full*

Type of Institution: *Public*

Main Campus: *West Lafayette, IN*

Branch Campus(es): *None*

Satellite Program(s): *None*



General Information

Established in 1884, the College of Pharmacy is a land grant, state assisted institution of higher learning. The programs offer excellent opportunities to prepare for career opportunities in pharmacy practice, industry, research, or education. Purdue University is primarily a residential campus, located in West Lafayette, 65 miles northwest of Indianapolis and 126 miles southeast of Chicago.

Diversity and opportunity are characteristics of the University. Over 850 campus organizations cater to the varied interests of students, ranging from professional organizations in pharmacy to music, theater, hobby clubs, and sports. Purdue is a member of the Big Ten athletic conference and participates in a large number of both men's and women's athletic team competitions. In addition, the community offers shopping, theaters, radio and TV stations, churches of all major denominations, an art museum, an historical museum, and 1,600 acres of public parks.

Approximately 12,300 single undergraduates can be housed in self governing University residence halls. There are 1,330 University operated unfurnished apartments for married students ranging from efficiency units to one and two bedroom types. All are within walking distance of the main campus. In addition, there are several non university operated housing options including 13 cooperatives, 70 fraternities and sororities, and hundreds of off campus rooms and apartments.

Mission/Vision

Purdue's mission is to: 1) Educate and train students to become leading pharmacists and scientists, 2) Advance scientific discovery and development, and 3) Maximize global health outcomes through patient care and public service.

We will accomplish this mission through learning, discovery and engagement by: a)

Attracting and retaining talented and diverse faculty, staff and students, b) Delivering a contemporary and innovative professional curriculum that empowers students to advance pharmacy's contribution to health care and to provide excellent patient care, c) Generating, integrating, and applying knowledge across disciplines to advance discovery, learning and engagement in pharmacy and pharmaceutical sciences, d) Producing world class scientists for academia and industry, and e) Establishing new synergies: partnerships, collaborations and strategic alliances at the local, regional, national and global levels.

Purdue's vision is to transform the practice and science of pharmacy to lead advances in human health.

Curriculum

Following a minimum of two years of pre-pharmacy, the professional course leading to the Pharm.D. (Doctor of Pharmacy) degree is four years (minimum of 204-semester hours total) in length. The Pharm.D. curriculum requires advanced coursework in pathophysiology, biotechnology, integrated pharmacotherapy, pharmacokinetics, drug literature evaluation, public health, practice management and marketing, as well as introductory pharmacy practice experiences and advanced pharmacy practice experiences through our experiential learning program. Students may also elect to participate in an undergraduate research program. A unique four-year non-licensure eligible B.S. in Pharmaceutical Sciences is offered that facilitates career preparation through elective internships in industry and on-campus research laboratories. A combined Pharm.D./Ph.D. is also available. The Ph.D. degree under the direction of the Graduate School of the University is offered in each of the three departments of the school: Industrial and Physical Pharmacy, Medicinal Chemistry and Molecular Pharmacology, and Pharmacy Practice (includes pharmacy administration).

Admission Requirements

Qualified applicants entering prepharmacy directly from high school are encouraged to file their application for admission to the College of Pharmacy after completing their junior year of high school. Applicants must rank in the upper one-half of their graduating class.

The following semesters of high school work are required: English 8, history or social studies 2, algebra 2, plane geometry 2, advanced algebra 1, trigonometry 1, laboratory sciences 6, including two semesters each of biology and chemistry with two semesters of physics recommended. On the basis of the CEEB advanced placement examination results, prepharmacy students may receive advanced credits and/or advanced placement (excluding biology and chemistry).

Students applying for admission to the professional program in the College of Pharmacy must complete a minimum of 60 semester hours (or equivalent) of appropriate prepharmacy course work in an accredited college.

Proficiency in computer applications is also expected. The Admissions Committee considers several factors including cumulative GPA for all coursework taken after high school; individual grades in prepharmacy chemistry, biology, physiology and math courses; previous work, human service and leadership experience; letters of recommendation; ability to communicate in the English language; and reasons for wanting a pharmacy-related career. A personal on-campus interview and completion of extemporaneous writing and verbal communication exercises are required of all applicants given final consideration for admission. Students are admitted to the professional program in the College of Pharmacy only at the fall semester of each academic year. Purdue participates in the national Pharmacy College Application Service (PharmCAS) and the application deadline is December 1 (www.pharmacas.org). In addi-

Prerequisite Courses

Course	Semester Hours
English Composition	4
General Chemistry I and II	8
Organic Chemistry I and II	8
General Biology I and II	6
Anatomy and Physiology I and II	6
Microbiology	4
Calculus I and II (<i>differential and integral</i>)	6
General Physics	4
General Economics	3
Elective Coursework	11

Statistics for 2009 Entering Class Acceptees

Number interviewed:	309
Number accepted:	160
Estimated entering class size:	160
Estimated male (%):	34%
Estimated female (%):	66%
Estimated out-of-state (%):	19%

Application Process and Requirements

- Participates in PharmCAS: *Yes*
- Deadline for receipt of applications: *December 1*
- Supplemental application required: *Yes*
- Supplemental application fee: *\$55*
- Expected GPA: *3.2 – 4.0*
- Minimum overall GPA considered: *3.1*
- Minimum prerequisite GPA considered: *No minimum*
- PCAT required: *No*
- Minimum PCAT scores considered: *Not applicable*
- Oldest PCAT scores considered: *Not applicable*
- Interview required: *Yes*

tion, a secondary application to be obtained from the school (as indicated below) is also due by December 1.

Students desiring the four year B.S. in Pharmaceutical Sciences program may apply for admission to Purdue after completing their junior year of high school. Official high school transcripts and results from SAT-I or ACT are required. Transfer students are also welcome to apply and are required to submit official transcripts from each college or university attended. Assessment of high school and/or college subjects and quality of academic record are important factors for admission.

For Further Information

Application Forms/Admissions:
 Chair, Committee on Admissions
 College of Pharmacy
 Purdue University
 Heine Pharmacy Building, Room 104
 575 Stadium Mall Drive
 West Lafayette, IN 47907-2091
 oss@pharmacy.purdue.edu
 www.pharmacy.purdue.edu

Drake University

College of Pharmacy and Health Sciences



Accreditation Status: Full

Type of Institution: Private

Main Campus: Des Moines, IA

Branch Campus(es): None

Satellite Program(s): None

General Information

Drake University is a private and independent major university located on a campus in Des Moines, the state capital of Iowa. Approximately 5,000 students are enrolled in the six colleges and schools of the University: the Colleges of Arts and Sciences, Business and Public Administration, and Pharmacy and Health Sciences; the Schools of Journalism and Mass Communication, Law, and Education. The College of Pharmacy and Health Sciences enrolls approximately 300 students in its two year pre pharmacy and 450 students in its four year professional Pharm.D. program.

A variety of resources for study, student services and student organizations are available on campus. Some student services available include: a career center, a student counseling center, a student health service, an academic assistance office, an international student center, and computer labs.

All full time students must live in the Drake University residence halls during any period of university enrollment occurring within two years following their high school graduation. Exceptions to this requirement are granted if the student is married, lives at home, or lives with a relative of his or her immediate family. The University maintains seven coeducational residence halls, with suite options available to upper level students. An apartment building is available for married students, single parents and nontraditional students. In addition, the University has wireless high speed internet access.

Mission/Vision

MISSION:

The College of Pharmacy and Health Sciences provides an intellectually stimulating learning environment with collaborative learning among students, faculty, and staff. Graduates are liberally educated professionals who are dedicated to serving their clients, profession

and community. The College emphasizes excellence and leadership in professional education, service, and scholarship.

VISION:

The College of Pharmacy and Health Sciences will continue to be recognized for its innovation, demonstrating continuous quality improvement in teaching, scholarship and service, while boldly pursuing opportunities for breakthrough achievements within those same arenas. The College will uphold its tradition of preparing individuals to meet the expectations and challenges of health care practices, providing a balance between foundational scientific, socioeconomic, and practice theories along with meaningful, exemplary practice opportunities. Further, the College will fulfill its obligation to advance the level of health care knowledge and practice through scholarly endeavors, incorporating the efforts of all who define its learning communities and embracing the scholarly functions of discovery, innovation, application, and teaching.

Curriculum

The College offers the following degree program options:

- Doctor of Pharmacy (Pharm.D.)
- Pharm.D./master's of business administration (MBA) joint degree program
- Pharm.D./master's of public administration (Pharm.D./M.P.A.) joint degree program
- Pharm.D./law joint degree program (J.D.)
- Bachelor of Science in Health Sciences (H.S.)

The Pharm.D. degree program is a six year program which prepares students for community, institutional practice, postgraduate education or many of the other practice opportunities available to pharmacists. Students entering out of high school will complete a two year pre professional pro-

gram administered by the pharmacy college. The Drake Pharm.D. Difference provides students preparation and consideration for the professional program. Students who are not admitted from Drake's pre pharmacy program, along with students from other institutions, may apply for the remaining slots. See the admission information at www.drake.edu/cphs.

A program to earn a Pharm.D. and M.B.A. is offered jointly by the College of Pharmacy and the College of Business and Public Administration. Career opportunities exist in management and administrative positions within pharmacy business areas. The combined degree program takes an additional semester beyond the Pharm.D., rather than two years if the degrees were completed separately. The College also offers a joint degree program for a Pharm.D. and M.P.A. along with the College of Business and Public Administration. This degree also takes an additional semester beyond the Pharm.D. Students who complete this combined degree program have management and administrative career options in the nonprofit sector.

The Pharm.D. degree may also be combined with a doctor of jurisprudence (J.D.) degree. Through joint cooperation with the Drake Law School, eligible candidates may begin law courses after completion of their third year in the pharmacy program. The combined program allows completion of both degrees in eight years and provides career opportunities in patent law, product liability, government regulatory affairs, and healthcare malpractice.

Students are also provided an option to complete a concentration in diabetes care by completing didactic and experiential course work and rotations. A number of other curricular options (second majors, minors, concentrations) are also available to Drake University pharmacy students.

Prerequisite Courses

Course	Semester Hours
English Composition	6
General/Inorganic Chemistry	8
Organic Chemistry	8
Biological Sciences	8
Microbiology	3
Calculus	4
Statistics	3
Public Speaking	3
Electives	20

Statistics for 2010 Entering Class Acceptees

Number interviewed:	185
Number accepted:	135
Estimated entering class size:	135
Estimated male (%):	35%
Estimated female (%):	65%
Estimated out-of-state (%):	60%

Application Process and Requirements

Participates in PharmCAS: Yes
 Deadline for receipt of applications: December 1
 Supplemental application required: Yes
 Supplemental application fee: \$70
 Expected GPA: 3.4
 Minimum overall GPA considered: 3.0
 Minimum prerequisite GPA considered: 3.0
 PCAT required: Yes
 Minimum PCAT scores considered: 50th percentile
 Oldest PCAT scores considered: 3 years
 Interview required: Yes

Admission Requirements

Admission to the College is coordinated through the office of admissions. Residence in the state of Iowa is not a requirement for admission.

High school seniors may apply for admission to the pre-professional program. Admission is selective and takes into consideration the complete record of a candidate, including class rank, courses taken, grade-point average, ACT or SAT test scores, essay, and leadership activities. Students admitted directly from high school into Drake's pre-pharmacy program are offered the Drake Pharm.D. Difference, through which students are guaranteed consideration for the professional program. In addition, they are assigned a pharmacy faculty advisor, are able to belong to professional student organizations, and participate in orientation courses and interview preparation activities. The PCAT is not required for students who are admitted Drake's pre-pharmacy program.

Students who are not selected for direct admission to the College of Pharmacy and Health Sciences may be admitted to their second choice program. These students may apply for admission to the professional level of the pharmacy program, through the

centralized application service, PharmCAS, located at www.pharmacas.org and must take the PCAT.

Students may also enter into the Pharm.D. program following completion of two years or more of course-work at another institution. Admission of students at this point is highly competitive and the number of students admitted for any year is dependent upon the space available. Applicants complete the centralized application at PharmCAS (www.pharmacas.org) and submit a supplemental application (also found at www.pharmacas.org). Minimum requirements for consideration include a 3.0 grade point average and 50th percentile on the PCAT (Pharmacy College Application Test). Invited applicants also participate in on-campus interview.

Other Programs

The College also offers a Bachelor of Science in Health Sciences (H.S.), a four-year program designed to prepare students for entry-level positions in the insurance industry, pharmaceutical industry, graduate study in the pharmaceutical sciences, or entrance into a health professional doctoral program such as medicine or dentistry. This degree program focuses on developing the knowledge base, skill sets and professional experi-

ences necessary for success in health-science related fields. Students will participate in an interdisciplinary curriculum that combines course work in the biomedical, pharmaceutical and clinical sciences, business and health care management, and health behavior.

Because many students are drawn to the health care field but are often unsure of which direction may be best for them, this degree will expose students to a wide range of healthcare-related experiences while providing the foundational skills of a liberal education. Students interested in this program are encouraged to visit www.drake.edu/cphs for more information.

For Further Information

Vice-President for Admissions and Financial Aid
 Drake University
 Des Moines, IA 50311-4505
 800-44-DRAKE or 515-271-3181
www.drake.edu/cphs

The University of Iowa

College of Pharmacy

Accreditation Status: *Full*
Type of Institution: *Public*
Main Campus: *Iowa City, IA*
Branch Campus(es): *None*
Satellite Program(s): *None*



General Information

The University of Iowa College of Pharmacy was established in 1885 and is the fourth oldest public college of pharmacy in the U.S. The Pharmacy Building is located within a world class health sciences center on the west side of the University of Iowa campus in Iowa City, Iowa. The health sciences complex comprises the teaching and research facilities of the Colleges of Medicine, Nursing, Dentistry, Public Health and Pharmacy plus the patient care facilities of the University of Iowa Hospitals and Clinics. The College of Pharmacy was recently ranked #16 in the nation by U.S. News & World Report.

The College of Pharmacy is home to eight pharmacy student organizations in addition to a Student Council and class officers for each class. All students are members of Learning Communities that provide peer mentoring and community service opportunities. Each incoming pharmacy student is also assigned a faculty mentor as well as an academic advisor.

The University of Iowa College of Pharmacy has a strong relationship with the Iowa Pharmacy Association and Pharm.D. students are encouraged to become members and participate in its activities. Alumni support is strong in the state and around the nation; 45% of Iowa's pharmacists are graduates of the University of Iowa College of Pharmacy. Scholarships are available to incoming and continuing students, including the College of Pharmacy Tuition Scholarship and College of Pharmacy Opportunity Scholarship.

Most pharmacy students choose to live off campus, with many options available in the Iowa City area. On campus housing in dormitories or university apartments is also available. The University of Iowa and the Iowa City area provide many cultural and leisure opportunities to students, including Big Ten sports, theater productions, art shows, music events, museums, recreational sports,

shopping and many local coffee houses and restaurants.

Mission/Vision

The College of Pharmacy serves the state, nation and world by: a) preparing outstanding pharmacists and pharmaceutical scientists to meet the health care needs of diverse populations; b) enhancing human health by the creation and dissemination of knowledge through discovery, development, and evaluation of drugs and drug delivery systems, optimization of safe and effective drug use, and delivery of patient centered pharmacy services; and, c) developing and translating into practice new advances in pharmaceutical science and technology.

Vision: To enhance human health through excellence in pharmacy education, research, patient care and engagement.

Curriculum

The University of Iowa Pharm.D. requires students to receive two years of general and four years of professional education. The hallmarks of an Iowa pharmacy degree are patient centered practice, strong grounding in science and evidence based practice, and exploration of career choices through pharmacy practice experiences, electives and exposure to leadership opportunities.

The Pharm.D. program is comprised of both didactic and experiential coursework. The first year of the professional curriculum includes courses from both collegiate departments: the Department of Pharmacy Practice and Science, and the Department of Pharmaceutical Sciences and Experimental Therapeutics, as well as several classes from the Carver College of Medicine. Second year and third year coursework includes pharmacokinetics, therapeutics, clinical practice skills and pharmaceutical socioeconomics, as well as 12 semester hours of professional electives.

Experiential education is woven throughout the curriculum, including Pharmacy Practice Lab each week during the first three years, where many necessary hands on professional skills are learned, as well as Introductory Practice Experiences (IPE) in various pharmacy settings each of the first three years. In addition, throughout the first three years students complete hours in leadership/professional learning and service learning for the Student Pharmacists Professionalism IPE.

The Advanced Practice Experiences (rotations) of the fourth year are the culmination of the Pharm.D. program. This component of the curriculum allows student pharmacists to gain experience, apply knowledge and skills, and gain professional competence and confidence by delivering contemporary pharmaceutical care and completing other profession related experiences under the supervision of preceptors. Students are required to complete an eight week Advance Practice Experience in each of the following areas: general hospital pharmacy, ambulatory care, acute care, and community pharmaceutical care, as well as being able to choose elective experiences in specialty areas such as management, pediatrics, surgery, associations, neurology, ambulatory care, long term care, home health care, managed care, nuclear, hematology/oncology, psychiatry, among others. Rotation sites are located in the Iowa City area and around the state. Rotations at other sites are possible, and some students with global health interests travel internationally during their fourth year. Locations recently visited include Mexico, Tanzania, Iceland, Japan and Nicaragua.

Admission Requirements

The University of Iowa College of Pharmacy enrolls 108 students each year into the Doctor of Pharmacy Program. Admission is competitive and is based on academic performance, community service and volunteer work, and commitment to the profession of pharmacy.

Prerequisite Courses

Course	Semester Hours
Rhetoric (<i>English Composition I, II and Speech; waived with bachelor's degree</i>)	4-8
Principles of Chemistry I & II with labs	8
Organic Chemistry I & II	6
Principles of Biology I & II with labs	8
Human Anatomy	3
Physiology	3
Microbiology with lab	4
Physics (<i>One year of high school physics or one semester of physics in college, with lab</i>)	4
Calculus (<i>differential and integral</i>)	4
Statistics	3-4
Microeconomics	3-4
General Education Electives	12-20

Statistics for 2009 Entering Class Acceptees

Number interviewed:	294
Number accepted:	175
Estimated entering class size:	108
Estimated male (%):	35%
Estimated female (%):	65%
Estimated out-of-state (%):	30%

Application Process and Requirements

Participates in PharmCAS: Yes
Deadline for receipt of applications: December 1
Supplemental application required: Yes
Supplemental application fee: \$100
Expected GPA: *Not reported*
Minimum overall GPA considered: 2.5
Minimum prerequisite GPA considered: 2.5
PCAT required: Yes
Minimum PCAT scores considered: *No minimum*
Oldest PCAT scores considered: 2 years
Interview required: Yes

Students apply online through PharmCAS at www.pharmcas.org. The application deadline is December 1, 2010 for Fall 2011 admission. A supplemental application and fee of \$100 is required of all applicants. The supplemental application can be found at www.pharmacy.uiowa.edu/admissions. A minimum GPA of 2.5 is required to apply. The Pharmacy College Admission Test (PCAT) is required and must be taken prior to the application deadline. Scores must be sent to PharmCAS, their code number is 104. The College of Pharmacy accepts PCAT scores a maximum of 2 years old. Before entry into the Pharm.D. program satisfactory completion of all pre-professional coursework and a minimum of 12 s.h. of general education electives are required. A maximum of one prerequisite course and one general education course required to complete 12 s.h. may be completed in the summer before entry into the College of Pharmacy. Pre-pharmacy coursework may be taken at the University of Iowa, or at any accredited four-year or community college in the U.S. Transfer equivalency information may be obtained on the College website or by contacting the Office of Academic Affairs.

Two letters of reference are required; they may come from any two people except friends or family members. Letters should be submitted directly to PharmCAS. Personal

interviews are required. Applicants selected for an interview will be contacted via email. Interviews will be held in February or March. All applicants will be notified of their admission status by the end of April.

Admission is competitive and completion of the minimum requirements does not guarantee admission to the College of Pharmacy. Admitted students are required to submit a \$250 non-refundable admission acceptance fee to hold their place in the class. Admitted transfer students will be assessed a \$40 transfer application fee. Criminal background checks are required of all matriculating students.

Other Programs

A combined Pharm.D./M.P.H. (Master of Public Health) is offered in conjunction with the College of Public Health. This program is intended to provide students special expertise in public health as related to pharmacotherapy and health promotion, disease prevention and medication safety. There are many areas where public health and pharmacy have interests and commitments that are related. Among these are: spread and treatment of disease, community health, immunology; bioterrorism, terrorism, and preparedness; genetics; insurance; managed care; family

and juvenile health; and protection of special populations.

Pharmacy students at the University of Iowa may also pursue an MBA (Master of Business Administration) with the Tippie College of Business. Pharm.D. students typically apply to the MBA program during their first professional year and, if accepted to the MBA program, spend their second year in the Tippie College of Business. Students return to the College of Pharmacy for the final three years of the Pharm.D. program and complete any remaining MBA coursework.

In addition to these degree programs, Pharm.D. students may pursue certificates offered by other colleges at The University of Iowa, including certificates in Aging, Global Health Studies, and Public Health.

For Further Information

Office of Academic Affairs
 College of Pharmacy
 The University of Iowa
 127 Pharmacy Building
 Iowa City, IA 52242-1112
 319-335-8795
pharmacy-admissions@uiowa.edu
www.pharmacy.uiowa.edu

The University of Kansas School of Pharmacy

Accreditation Status: Full

Type of Institution: Public

Main Campus: Lawrence, KS

Branch Campus(es): KU Medical Center, Kansas City, KS

Satellite Program: Wichita, KS



General Information

The School of Pharmacy at the University of Kansas was established in 1885. Its programs are accredited by the Accreditation Council for Pharmacy Education. The School also offers in conjunction with the School of Business at the University of Kansas a Doctor of Pharmacy/Master of Business Administration dual degree program.

The School of Pharmacy is located on the 1,000 acre main campus of the University of Kansas in Lawrence, located 45 miles west of Kansas City on Interstate 70. It has a student body of 30,000 and offers a full array of services such as intercollegiate sports, concerts, theater, recreational facilities, social organizations and fraternal living groups. Other opportunities are provided by churches, museums, parks, and civic activities. School of Pharmacy student organizations offer social and professional development activities.

The Midwestern location provides a varied climate, rich cultural environment, and a sense of history and tradition that dates back to the early days of the Oregon Trail. The University of Kansas is a comprehensive university and member of the prestigious Association of American Universities.

Mission/Vision

The University of Kansas School of Pharmacy provides exceptional educational opportunities for professional, graduate and post graduate students; and professional continuing education for pharmacists. Through exemplary curricula and programs, the School encourages the advancement of pharmaceutical care so as to enhance health. The School maintains a leadership role in developing major advanced technologies, and drug and drug therapy related research inclusive of pharmaceutical, clinical, and administrative sciences for the state, nation and world.

Curriculum

The Doctor of Pharmacy degree requires completion of all required pre pharmacy and professional courses for a total of 208 credit hours with an overall grade point average of not less than 2.25 in professional courses. The pre pharmacy curriculum requirements total 68 credit hours. The professional curriculum of 140 credit hours is comprised of 96 credit hours of didactic instruction, 8 credit hours (320 contact hours) of introductory pharmacy practice experience rotations and 36 credit hours (1440 contact hours) of advanced pharmacy practice experiential rotations.

The final year of the curriculum consists of nine 4 week advanced pharmacy practice experiential rotations with faculty preceptors at practice sites throughout the state of Kansas. These sites include, but are not limited to: KU Medical Center in Kansas City and other sites in Kansas City, Wichita, Lawrence, Topeka, Salina, Hays, and Garden City as well as practice sites in rural communities throughout Kansas. Students must have their own transportation to reach their assigned sites.

Students are encouraged to become active participants in the School's pharmacy student professional organizations as a component of their professional development. Students have a voice in the development of curriculum and program issues through a student advisory council and through student participation on School faculty committees.

Admission Requirements

The program leading to the doctor of pharmacy degree requires six years of academic study. The two year pre pharmacy course requirements may be taken at any accredited two or four year college. Applicants must be eligible for admission to the University of Kansas and complete all pre pharmacy course requirements prior to the date of enrollment in the School of Pharmacy.

The pre pharmacy requirements of 68 credit hours include a year each of English, general chemistry, and organic chemistry; physics (a grade of B in high school physics is sufficient), calculus, personal communications, biology, microbiology, human anatomy, physiology, and at least nine hours of general studies in the humanities and/or social sciences. The total general studies requirement is a minimum of 30 hours. The courses in English, calculus, personal communications, humanities, and social sciences, and other electives comprise these 30 hours. Many college level courses will count as general studies requirements for the degree. However, students should not expect general studies credit for survey courses that cross traditional disciplinary boundaries, remedial courses, or multiple courses from one specific area of study.

Admission to the School of Pharmacy is competitive. To be considered, a student must have a GPA (both overall and in science and math) of not less than 2.5. Admission is determined by the School of Pharmacy Admissions Committee consisting of two faculty members from each department plus three representatives from the office of the dean. Good scholarship is very important and considered a predictor for success in the pharmacy curriculum. In addition, other qualities such as good communications skills, emotional maturity, leadership ability, professional attitude and an interest in service to community are also important factors considered in the admissions process. These additional skills may outweigh very high grades or choice of courses taken in the pre pharmacy experience. The admission process is highly competitive and is dependent upon the number of applications received and the qualifications of the applicant pool.

Applications are due no later than February 1 of the year in which the applicant is seeking admission for the following fall semester. Applicants are encouraged to submit their applications late in the fall semester of the academic year in which they will complete all pre pharmacy course requirements. Applicants

Prerequisite Courses

Course	Semester Hours
English 101 & 102	6
Personal Communications	3
Calculus	3
Molecular & Cellular Biology with Lab	4
Chemistry I & II with Labs	10
Microbiology with Lab	5
Human Anatomy	3
Organic Chemistry I & II with Labs	10
Mammalian Physiology with Lab	6
General Studies (<i>Social Sciences and Humanities</i>)	18

Statistics for 2009 Entering Class Acceptees

Number interviewed:	162
Number accepted:	105
Estimated entering class size:	105
Estimated male (%):	43%
Estimated female (%):	57%
Estimated out-of-state (%):	15%

Application Process and Requirements

Participates in PharmCAS: No
Deadline for receipt of applications: February 1
Supplemental application required: Yes
Supplemental application fee: \$35
Expected GPA: 3.0 and above
Minimum overall GPA considered: 2.5
Minimum prerequisite GPA considered: 2.5
PCAT required: Yes
Minimum PCAT scores considered: No minimum
Oldest PCAT scores considered: 2 years (Oct. 2008)
Interview required: Yes

are accepted for admission only in the fall semester of each academic year. Enrollment is limited to 105 first year professional students. A new School of Pharmacy building is being constructed with completion anticipated for the fall of 2010. Enrollment capacity will increase to 150 students with completion of the new facility.

An extension of the University of Kansas School of Pharmacy program is scheduled to open in the fall 2011 semester at the KU School of Medicine / KU School of Pharmacy Campus in Wichita, Kansas. It is anticipated that initial enrollment at this location will be limited to 20 students. Lectures and student organization meetings will be synchronous between the two campus locations through utilization of state of the art distance education technology.

Other Programs

Medicinal Chemistry (M.S., Ph.D.)

Medicinal Chemistry is an interdisciplinary field that approaches important biological and health-related problems through application of fundamental principles of organic chemistry, biochemistry, molecular modeling, and molecular pharmacology. Graduate students of the department are thoroughly trained in the chemistry of organic compounds, includ-

ing their synthesis and biosynthesis, their reactivity, and their interactions with and alteration by living systems.

Pharmaceutical Chemistry (M.S., Ph.D.)

Pharmaceutical Chemistry maintains a strong tradition in research on and teaching of fundamental physical, chemical and biological principles critical for the development of drugs. Strong emphasis is placed on the transport of small molecule and macromolecular drugs across biological barriers, the targeting of drugs to specific cell types and to specific organelles within cells, the development of pro-drugs and analytical methodology to study drug disposition, and the design of chemically and physically stable drugs and drug formulations.

Pharmacology and Toxicology (M.S., Ph.D.)

Pharmacology and Toxicology's research programs place it at the leading edge of research in the pharmacological/toxicological sciences. In addition to receiving strong training in modern pharmacology and toxicology, students are encouraged to use the expertise and courses available in the Departments of Biochemistry, Cell and Molecular Biology; Medicinal Chemistry; and Pharmaceutical Chemistry. The University has strong programs in neurobiology, molecular genetics, and bioanalytical

chemistry. Some students participate in collaborative interdisciplinary research in these fields of biomedical science.

Pharmacy Practice (M.S.)

Pharmacy Practice offers a Master of Science program in conjunction with a Pharmacy Practice Management Specialized Residency and is accredited by the American Society of Health-System Pharmacists (ASHP). The program combines academic studies, a pharmacy practice management residency, and research. It provides participants the didactic and practical experiences required to prepare for the practice of pharmacy in various organized health care settings. The program prepares pharmacists for their role as drug therapy managers from both a clinical practice standpoint and a pharmacy administration/management standpoint.

For Further Information

School of Pharmacy
 University of Kansas
 2010 Becker Drive, Room 2050
 Lawrence, KS 66047
 785-864-3591
 Fax: 785-864-5265
 pharmacy@ku.edu
 www.pharm.ku.edu

Sullivan University

College of Pharmacy

Accreditation Status: *Candidate*

Type of Institution: *Private*

Main Campus: *Louisville, KY*

Branch Campus(es): *None*

Satellite Program(s): *None*



General Information

Sullivan University is Kentucky's largest private college or university, with campuses in Louisville, Lexington and an extension campus at Fort Knox, Kentucky. The University is composed of a variety of colleges and schools including the College of Business Administration; Spencerian College; the College of Office Technology; the Institute for Legal Studies; the Department of Early Childhood Education; the National Center for Hospitality Studies; the Graduate School and now, the College of Pharmacy. The University is regionally accredited by the Southern Association of Colleges and Schools to offer Associates, Bachelor, Master and its first doctoral degree, the Doctor of Pharmacy. Through its online education service, Sullivan University is known around the world for quality education.

The Sullivan University College of Pharmacy (SUCOP) received Pre Candidate Status from the Accreditation Council for Pharmacy Education (ACPE) on January 10, 2008. This permitted the College to enroll its Inaugural Class of 2011 and began classes on July 7, 2008. Following the granting of Pre Candidate Status, SUCOP was awarded Candidate Status from ACPE on June 24, 2009. Graduates of a class designated as having Candidate Status have the same rights and privileges of those graduates from a fully accredited program.

The Doctor of Pharmacy program at Sullivan is a unique three-year (36 month) professional program of study that allows our students to complete their degree requirements following 3 years of pre pharmacy required coursework by taking classes year round, that is, four academic quarters per calendar year. Following this schedule, the successful student will qualify to take the NAPLEX examination for licensure and enter into practice in a shorter period of time.

Mission/Vision

The Sullivan University College of Pharmacy's Mission is to prepare General Practitioners and Clinical Scientists who will be able to:

- Provide ethical and empathetic pharmacy care
- Serve the health care needs of the community, a diverse population and the individual patient
- Expand the scope of practice of pharmacy in community settings, hospitals, managed care facilities, and governmental agencies
- Be compassionate patient advocates and leaders in their communities, professional associations, and in scholarly research through:
 - Student centered pedagogical experiences enriched with services and professional extra curricular activities
 - Cutting edge education and development of critical thinking/problem solving skills with exceptional faculty in a state of the art facility
 - Symbiotic and synergistic inter professional collaboration in education, practice and research
 - Strong commitment to life long education and participation in professional associations
 - Proficiency in technology and pharmacy informatics
 - Communication with and understanding of diversity and those from other cultures

The College's Vision is to establish an institution that is committed to the principles of:

- Excellence in Education
- Service to the Community, and
- Quality Care for the People in the Commonwealth of Kentucky

Curriculum

The Doctor of Pharmacy curriculum is student centered and outcome oriented and

based upon the latest standards developed by the Accreditation Council for Pharmacy Education.

Our students are engaged in their educational experiences with a team of faculty, staff and administrators who are experts in their fields and whose paramount interests are the students' success and well-being. Our students receive extensive education in both the basic sciences and clinical sciences throughout the three-year program of study. In addition, our students receive experiential education (pharmacy practice experiences) in diverse fields including: adult medicine; pediatric care, critical care, cardiology; infectious disease; oncology; drug information as well as community pharmacy practice.

Soon our students will be able to take elective courses as part of the Doctor of Pharmacy program that will apply toward a graduate degree in the pharmaceutical sciences, management, healthcare management, dispute resolution, or information technology.

Admission Requirements

Pre-Pharmacy required coursework includes 72 semester or 108 quarter hours from an accredited college or university, if an applicant does not have a baccalaureate degree. No grade less than a "C" will be accepted. This coursework includes:

- Two courses in English Composition
- Two courses in General Chemistry with Labs
- Two courses in Organic Chemistry with Labs
- One course in Physics with or without Lab
- Math through Calculus
- One course in General Biology with Lab
- One course in Microbiology with Lab
- One course in Anatomy or Anatomy and Physiology
- One course in Economics (micro or macroeconomics)

Prerequisite Courses

Course	# of Courses
English Composition	2
General Chemistry with Labs	2
Organic Chemistry with Labs	2
Physics with or without Lab	2
Math through Calculus	
General Biology with Lab	1
Microbiology with Lab	1
Anatomy or Anatomy & Physiology	1
Economics (<i>micro or macro</i>)	1
Public Speaking, Speech, or Communication Skills	1
Statistics	1
General Education topics*	

*Includes Humanities, Political Science, Foreign Languages, Sociology, Art Appreciation, Psychology, Management Courses, etc.

Statistics for 2009 Entering Class Acceptees

Number interviewed:	224
Number accepted:	87
Estimated entering class size:	87
Estimated male (%):	56%
Estimated female (%):	44%
Estimated out-of-state (%):	51%

Application Process and Requirements

Participates in PharmCAS: *No*
 Deadline for receipt of applications: *December 31*
 Supplemental application required: *No*
 Supplemental application fee: *Not applicable*
 Expected GPA: 3.3
 Minimum overall GPA considered: 2.5
 Minimum prerequisite GPA considered: 2.5
 PCAT required: *No*
 Minimum PCAT scores considered: *Not reported*
 Oldest PCAT scores considered: *Not reported*
 Interview required: *Yes*

- One course in Public Speaking, Speech or Communication Skills
- One course in Statistics
- General Education topics (Humanities, Political Science, Foreign Languages, Sociology, Art Appreciation, Psychology, Management courses)

hours) of economics; 3 semester hours (4–5 quarter hours) of public speaking (speech). International applicants are also required to take the Test of English as a Second Language (TOEFL)

For Further Information

In addition to the course requirements noted above, an applicant must:

- Have a minimum cumulative and math/science grade point average of 2.5 on a 4.0 scale
- Submit two letters of recommendation (at least one from a healthcare practitioner)
- Complete and submit the College of Pharmacy Application
- Possess professional attributes such as good communication skills, ability to work as a team player, the ability to be punctual and meet deadlines
- Possess personal values such as honesty, integrity, a strong work ethic, and compassion
- Have a personal interview with a panel consisting of faculty members and practitioners.
- International applicants must also complete at least 6 semester hours (9 quarter hours) of non-remedial English Composition; 3 semester hours (4–5 quarter

Office of the Dean
 Sullivan University College of Pharmacy
 2100 Gardiner Lane
 Louisville, KY 40205
 502-413-8640
 www.sullivan.edu/pharmacy

University of Kentucky

College of Pharmacy

Accreditation Status: *Full*
Type of Institution: *Public*
Main Campus: *Lexington, KY*
Branch Campus(es): *None*
Satellite program(s): *None*



General Information

The University of Kentucky is located in Lexington, Kentucky, the heart of the Bluegrass Region of Central Kentucky surrounded by gently rolling hills and picturesque horse farms. Founded in 1865, UK has nearly 150 years of commitment to academic excellence, scholarly exploration and research, and community outreach and engagement. The University is committed to becoming one of America's Top 20 public research institutions. Adjacent to downtown Lexington, UK's campus covers more than 716 acres and is home to more than 27,000 students and nearly 11,000 employees.

The University of Kentucky College of Pharmacy is a part of the medical center complex, encompassing six distinguished health profession colleges. In addition to the College of Pharmacy, the colleges of Health Sciences, Dentistry, Medicine, Nursing and Public Health make up UK's academic medical campus. In this unique interdisciplinary setting, each member of the health care team is acknowledged for their expertise in maximizing positive patient outcomes and an atmosphere of collaboration is fostered.

The College is fully accredited by ACPE through 2016.

In December 2009, the College of Pharmacy moved to a new 286,000 square foot state of the art academic and research facility located at 789 South Limestone. The new building, one of the largest pharmacy academic facilities in the world, allows for future expansion of UK's academic and research programs. The building is part of the University's 20 year, \$2.5 billion "academic medical campus of the future" which includes a new shared Health Sciences Learning Center where students from different health disciplines will interact and learn together.

The College has active student chapters of APhA ASP, ASHP, AAPS, NCPA, Kappa Psi, Lambda Kappa Sigma, Rho Chi Honor Society, Phi Lambda Sigma Leadership Society, Student National Pharmaceutical Association, and The Christian Pharmacy Fellowship International. Kentucky pharmacy students have numerous opportunities to develop strong leadership skills in a variety of organizational and student governance activities and have a tradition of being very active in pharmacy student organizations on a national level, earning many national awards, scholarships, and recognitions. Social groups also are active on campus offering a well rounded college experience.

Mission/Vision

The College of Pharmacy's mission is to positively impact the health and well being of society through advances in pharmaceutical education, research, service, and patient care.

The College values and actively fosters integrity; professionalism; academic excellence; academic freedom; mutual respect and human dignity; diversity in students, staff and faculty; personal and institutional responsibility and accountability; shared governance; a collegial community; sensitivity to work life concerns; civic responsibility and service to society.

A creative, supportive environment nurtures diversity of thought, culture, gender, race and ethnicity. To advance this commitment, the College demonstrates its belief in the value and richness of human differences by participating with the University in providing a model for the Commonwealth of a truly diverse society that celebrates human differences, promotes fairness and equity in policies and practices, and upholds basic principles of social justice.

Curriculum

The College offers a four year curriculum (164 semester credits) leading to the Pharm.D. degree. The program is fully accredited by the Accreditation Council for Pharmacy Education through 2016 and meets requirements for licensure to practice pharmacy. A minimum of 70 credit hours of pre pharmacy coursework is required and may be taken at any accredited college.

Dual Pharm.D./MBA, Pharm.D./M.P.A., Pharm.D./M.S. Economics, Pharm.D./M.P.H., Pharm.D./M.P.P., Pharm.D./M.S. PAS programs are offered as well as a sequential Pharm.D./Ph.D. option.

Admission Requirements

Admission to the University does not guarantee admission to the College. The number of students admitted each year depends upon the availability of resources for implementation of a quality educational program. Admission to the College is made through the Office of Admissions in the College of Pharmacy and PharmCAS, a centralized admission process through AACP. All students must submit a supplemental application to UK and send PCAT scores and transcripts of all previous college coursework to PharmCAS.

To be considered for admission, applicants must have a 2.5 GPA out of a possible 4.0 in at least 70 semester credit hours of pre pharmacy coursework. Early application is encouraged six to eight weeks prior to established deadlines. A rolling admissions process is utilized and review of applications begins in September.

Applications for admission are reviewed and evaluated by the College's Admission Committee on a comparative and competitive basis. Applicants judged to be the most qualified are invited for personal interviews and then final selections are made. Criteria used in judging the applicant's qualifica-

Prerequisite Courses

Course	Semester Hours
English	6-7
Animal Biology with Lab	4-5
Microbiology with Lab	4-5
Math (<i>College Algebra and Elementary Calculus or Calculus I</i>)	4-6
Statistics	3
Human Anatomy	3
General Chemistry with Lab(s)	8-10
Organic Chemistry with Lab(s)	8-10
Physics with Lab(s)	8-10
Microeconomics	3
Elective Courses	10-19

*Please visit UK COP website for Dual-Degree specific prerequisites.

Statistics for 2009 Entering Class Acceptees

Number interviewed:	220
Number accepted:	150
Estimated entering class size:	125
Estimated male (%):	22%
Estimated female (%):	77%
Estimated out-of-state (%):	23%

Application Process and Requirements

Participates in PharmCAS: Yes
Deadline for receipt of applications: January 5
Supplemental application required: Yes
Supplemental application fee: \$75
Expected GPA: 3.0 - 3.5
Minimum overall GPA considered: 2.5
Minimum prerequisite GPA considered: 2.5
PCAT required: Yes
Minimum PCAT scores considered: 40th percentile
Oldest PCAT scores considered: 3 years
Interview required: Yes

tions include demonstrated academic and professional achievements, an assessment of communicative skills, integrity, commitment, dedication, motivation, character, maturity and emotional stability as determined by letters of recommendation, the applicant's formal letter of application and personal interviews.

The applicant's PCAT score and pre pharmacy coursework GPA are values used by the committee in judging the applicant's academic qualifications for admission. Letters of recommendation and the applicant's formal motivation letter stating their reasons for selecting pharmacy as a career and tentative professional goals also are considered. Applicants receiving the highest ratings by the committee are invited to the Lexington campus for a personal interview. Priority for admissions of nonresidents will be given to those who have exceptional qualifications of academic excellence. Background checks and urine drug screens at the applicant's expense may be required.

The University will accept credits earned by College Level Examination Program (CLEP) only when the specific subject tests are taken. The general CLEP test is not accepted. A letter grade is recorded on the transcript if a grade is awarded.

Other Programs

Residencies

The College of Pharmacy partners with UK HealthCare to provide accredited postgraduate residency training at UK Chandler Hospital and its affiliated clinics. Programs in pharmacy practice and community practice are offered in year one and ambulatory care, critical care, infectious diseases, oncology, cardiology, internal medicine, and pediatrics are offered in postgraduate year two programs. All residents complete a Scholarship of Teaching and Learning Certificate Program. More information is available at www.mc.uky.edu/pharmacy/residency/.

Graduate Programs

The Pharmaceutical Sciences Graduate Program builds upon the tradition of graduate education established by the UK College of Pharmacy in 1967. This multidisciplinary program is designed to prepare motivated individuals for academic and industrial careers in pharmaceutical and biomedical research. More than 260 individuals have completed this nationally recognized program leading to the Ph.D. degree.

The graduate program encompasses research focusing on Drug Discovery, Drug Devel-

opment, Clinical and Experimental Therapeutics, and Pharmaceutical Outcomes and Policy. Within these broad scientific frameworks, students are encouraged to develop individually tailored programs of study to meet their particular research interests and career objectives.

For Further Information

Applications:

Office of Academic & Student Affairs
University of Kentucky College of Pharmacy
Biological Pharmaceutical Complex
789 South Limestone
Lexington, KY 40536-0596
859-323-5023
http://pharmacy.mc.uky.edu/depts/acad_aff/index.php

Graduate Program Office

University of Kentucky College of Pharmacy
Biological Pharmaceutical Complex
789 South Limestone
Lexington, KY 40536-0596
859-257-1998
<http://pharmacy.mc.uky.edu/programs/graduate/index.php>

The University of Louisiana at Monroe

College of Pharmacy

Accreditation Status: *Full*

Type of Institution: *Public*

Main Campus: *Monroe, LA*

Branch Campus(es): *Baton Rouge, LA; Shreveport, LA*

Satellite Program(s): *None*



General Information

The College of Pharmacy was established by the State Board of Education on August 11, 1956 and serves as Louisiana's sole state assisted pharmacy program. The College of Pharmacy continues to evolve to meet the health care needs of the State's population, and in 1998, began to offer the Doctor of Pharmacy degree as its sole entry level professional pharmacy degree. The college offers the State's only masters and doctor of philosophy degrees in the areas of pharmacy and pharmaceutical sciences. The college also offers the State's only undergraduate toxicology degree.

The College of Pharmacy is located approximately 1.5 miles away from the main campus of its parent institution and is housed in a new three story modern structure of approximately 132,000 square feet situated on 23 beautifully landscaped acres. On campus housing is available for unmarried full time students. Campus housing is under the supervision of the Director of University Housing. Students should apply to the University Housing Office for residence hall reservations.

Mission/Vision

"Enhancing Louisiana's Health and Environment"

The College of Pharmacy at the University of Louisiana at Monroe, Louisiana's College of Pharmacy, endeavors to create a professional learning environment that embraces the concept of continual quality improvement. This environment enables the College to produce and maintain excellent academic, research and service programs that directly enhance the health and environment of the State of Louisiana and beyond.

The mission of the College of Pharmacy (COP) is to educate future health care professionals to meet the diverse pharmaceutical care needs of the people of Louisiana and to

serve the professions of pharmacy and toxicology through a balanced program of education, research, service, and patient care.

The strategic decisions and daily operations of the College's faculty and staff reflect the following values:

Responsibility: acting morally, ethically, and with integrity, as well as being accountable for one's actions. Students, faculty, and staff have a duty to adhere to these standards. We also recognize our duty to be thoughtful stewards of those resources entrusted to us.

Innovation: the synthesis, embodiment, or combination of knowledge in original, relevant, valued new products, processes, or services, especially as related to promoting optimal patient and educational outcomes.

Collaboration: the development of educational, research and practice partnerships among students, practitioners, educators, and other stakeholders.

Quality: the pursuit of excellence, which is cultivated and assessed through a process of continual quality improvement.

Professionalism: the demonstration of structural, attitudinal, and behavioral attributes of a profession and its members. Certain professional attributes, including a service orientation; caring; respect for others; accountability and responsibility for one's actions; integrity; honesty; ethically sound decision making; and a commitment to life long learning are fundamental to our functioning as learners, educators, researchers, scholars, and practitioners of pharmacy.

In addition to the values stated above, the College has set the following goals:

Education

1. Educate entry level pharmacy practitioners to deliver pharmacy care in a dynamic, culturally diverse society,

enabling graduates to enter a wide range of existing or emerging health care practices.

2. Provide effective graduate education in the pharmaceutical and toxicological sciences.
3. Recognize professional education as an individual process that begins in the academic setting and continues throughout the professional career, not only for the student but educators and practitioners as well.
4. Model attitudes and values that emphasize the importance of a team approach to patient centered care.
5. Integrate basic, clinical, administrative and toxicological sciences.

Research/Scholarly Activity

1. Promote, develop and sustain excellence in graduate study and research in the clinical, basic, social and administrative sciences, thereby adding to the body of knowledge for scientists and educators in pharmacy, toxicology and related fields.
2. Promote research and scholarship that lead to improved patient care.
3. Promote research and scholarship that lead to improved educational outcomes.
4. Assess and evaluate all research and scholarly activity undertaken within the College.
5. Provide appropriate mentorship for faculty development.

Service

1. Address the healthcare and other societal needs by involving faculty, staff, and students in service activities at the University, local, state, national and international levels.
2. Promote wellness and disease prevention.
3. Promote therapeutic interventions, rational medication use, and the judicious use of economic resources.

Prerequisite Courses

Course	Semester Hours
Biology 120, 121, 214, 215, 220, 240, 241, 311, 312, and 313 (or their equivalents)	21
Chemistry 107, 108, 109, 110, 230, 231, 232, 233, and 350 (or their equivalents)	19
Mathematics 113, 131, 132 and 303 (or their equivalents)	14
Physics 203, 204, 209, and 210 (or their equivalents)	8
Business Communications 305 (or its equivalent)	3
Communication Studies 201 (or its equivalent)	3
Economics 201 (or its equivalent)	3
English 101, 102, and 320 (or their equivalents)	9
Kinesiology 201 (or its equivalent)	1
Management 301 (or its equivalent)	3
Fine Arts Elective	3
Social Sciences	6
Humanities Electives	9

Statistics for 2009 Entering Class Acceptees

Number interviewed	89
Number accepted	64
Estimated entering class size	64
Estimated male (%)	35%
Estimated female (%)	65%
Estimated out-of-state (%)	10%

Application Process and Requirements

Participates in PharmCAS: Yes
Deadline for receipt of applications: March 1
Supplemental application required: Yes
Supplemental application fee: \$50
Expected GPA: 3.4
Minimum overall GPA considered: 3.0
Minimum prerequisite GPA considered: 3.0
PCAT required: Yes
Minimum PCAT scores considered: 50th percentile
Oldest PCAT scores considered: 2 years
Interview required: Yes

4. Advance student and faculty participation and leadership in professional organizations.

Pharmacy Practice

1. Promote and optimize pharmacy care in order to improve patient outcomes.
2. Promote postgraduate professional training and assume an active role in the development of residencies and fellowships.

Curriculum

The curriculum leading to the Doctor of Pharmacy degree consists of a pre professional program and a four year professional program embodying modern concepts of clinical education and pharmacy practice. The college has transitioned from a 2 year pre professional to a 3 year pre professional requirement which starts with the P1 class for fall 2009.

Admission Requirements

The College's Office of Student and Professional Affairs manages all admission procedures with oversight by the College's Admissions Committee. The number of students accepted annually is decided based on the availability of educational resources. Admission is made to PharmCAS, a centralized

admission system. Supplemental application materials are sent directly to the College.

In addition to meeting the requirements for admission of the University of Louisiana at Monroe, applicants to the professional pharmacy program must meet the following criteria: (a) complete the required pre-requisite coursework with no grade less than C; (b) possess a cumulative grade-point average of at least 3.0 (uncorrected, based on a 4.0 system) in all previous coursework; (c) possess a PCAT Conventions of Language writing score of at least 3. The preferred PCAT score is at least 50 and admission to the University of Louisiana at Monroe does not guarantee admission to the professional College of Pharmacy. Preference is extended to Louisiana residents.

Applications to PharmCAS and all other supplemental application materials and payments are due by February 4th. All preparatory coursework and university core curriculum requirements must be completed prior to starting the professional program which starts with the fall semester. Coursework completed more than seven years prior to the applicant's requested admission date may not be used to satisfy the pre-requisites. Only PCAT scores earned within the last two years preceding the applicant's effective

professional program admission date will be considered. Official scores from the PCAT must be submitted to PharmCAS. Qualified applicants, as determined by the Admissions Committee, will be invited to campus for interviews.

Complete explanations of application procedures are available online at the College of Pharmacy website (www.ulm.edu/pharmacy) or the current ULM Undergraduate Catalog (www.ulm.edu/academics/catalogs/).

Other Programs

B.S. in Toxicology

For Further Information

College of Pharmacy
 Office of Student and Professional Affairs
 University of Louisiana at Monroe
 700 University Avenue
 Monroe, LA 71209-0470
 318-342-3800
 Fax: 318-342-3802
<http://rxweb.ulm.edu/pharmacy>

Xavier University of Louisiana

College of Pharmacy

Accreditation Status: *Full*

Type of Institution: *Private*

Main Campus: *New Orleans, LA*

Branch Campus(es): *None*

Satellite Program(s): *None*



General Information

Xavier University of Louisiana is a small urban university situated in the heart of New Orleans. Located on a pleasant uptown campus, it is minutes from the central business district, recreational facilities, other universities and professional schools. Founded by St. Katherine Drexel, Xavier is the only American university operated under Catholic auspices, which has a predominately African American student body. Even with its special mission to serve the African American Catholic community, Xavier's doors have always been open to qualified students of any race or creed.

Within its mission, the ultimate purpose of the University is to contribute to the promotion of a more just and humane society by preparing its students to assume roles of leadership and service in a global society. This preparation takes place in a diverse learning and teaching environment that incorporates all relevant educational means, including research and community service.

The College of Pharmacy was founded in 1927. Tuition and room and board compare quite favorably with that of other private institutions. Living accommodations are available for students who prefer campus housing. Priority is given to non local undergraduates. There are residence halls available for both men and women students. New students requesting housing should apply through the Office of Admissions. Re admitted and currently enrolled students who prefer campus housing should contact the Office of Residential Life.

Mission/Vision

The mission of the Xavier University of Louisiana College of Pharmacy is to prepare pharmacists to impact medically underserved communities, particularly African Americans, in an effort to eliminate health disparities through patient centered care, community service and scholarly work.

The vision of the Xavier University of Louisiana College of Pharmacy is to be the premier institution preparing pharmacy practitioners who demonstrate outstanding leadership and dedication to the medically underserved populations in our society, while striving to eliminate healthcare disparities. The College of Pharmacy has been integral in educating a diverse student population and remains committed to achieving excellence in all of its endeavors. It seeks to continue to expand its regional, national, and international leadership in the pharmacy profession by broadening its achievements in student development, scholarship and service. It strives to improve its ability to provide excellence in pharmaceutical care and education by strengthening its ability to act strategically in relation to the rapid and dynamic changes in the profession.

Curriculum

The Doctor of Pharmacy degree is granted after pursuing college level work for six years (a two-year pre-pharmacy curriculum and a four-year professional program) and completing 201 semester hours of work with a 2.0 average. The pharmacy curriculum is designed to create pharmacists who are scientifically trained and clinically competent to deliver the full spectrum of pharmaceutical services required in the modern health care society.

To achieve these goals, the curriculum provides: (1) instruction in the physical, chemical, biological and behavioral sciences, management, and the humanities; (2) a clinical component designed to develop graduates skilled in monitoring and evaluating drug therapy, providing drug information, and relating effectively to patients and other health professionals; (3) motivation to increase competency after graduation through continuing education; and (4) an opportunity to engage in meaningful scientific research in preparation for further study in pharmaceutical and clinical sciences.

Admission Requirements

Application information may be obtained at <http://www.xula.edu/cop/prospective.php>.

Upon completion of the two-year pre-pharmacy curriculum, a student should have earned 66 semester hours of credit and have attained a minimal cumulative grade-point average of 2.75. Courses presented by transfer students should be equivalent to those offered at Xavier. Only courses with a grade of "C" or better will be accepted for transfer credit. The PCAT is required for admission.

To apply to the Doctor of Pharmacy Program students must complete the online application according to the directions and submit the following: all official academic transcript(s), essay, pre-pharmacy requirement form, three letters of recommendation (from science/math instructors and health science professionals), and the required application fee. Eligible applicants will be scheduled for interviews. The aforementioned information should be forwarded to:

Xavier University of Louisiana
Office of Admission
1 Drexel Drive
New Orleans, LA 70125

All students are accepted in the fall semester. A \$500.00 deposit is required once admission is granted.

For Further Information

Mrs. Gwendolyn Hudson
Admissions Coordinator
Xavier University of Louisiana
College of Pharmacy
1 Drexel Drive
New Orleans, LA 70125
504-520-7580
Fax: 504-520-7977
www.xula.edu/cop

Prerequisite Courses

Course	Semester Hours
Philosophy (<i>introductory</i>)	3
Theology	3
Psychology or Sociology	3
Health Ethics (<i>Philosophy</i>)	3
Academic Elective	3
Comp & Rhetoric (<i>English</i>)	3
Pre-Calculus	4
Calculus	4
Fundamentals of Speech	3
Economics (<i>Microeconomics</i>)	3
General Chemistry I	3
General Chemistry I Lab	1
General Chemistry II	3
General Chemistry II Lab	1
Organic Chemistry I	3
Organic Chemistry I Lab	1
Organic Chemistry II	3
Organic Chemistry II Lab	1
Physics	3
Physics Lab	1
General Biology I	3
General Biology I Lab	1
General Biology II	3
General Biology II Lab	1
Microbiology	3

Statistics for 2010 Entering Class Acceptees

Number interviewed:	215
Number accepted:	171
Estimated entering class size:	165
Estimated male (%):	25%
Estimated female (%):	75%
Estimated out-of-state (%):	30%

Application Process and Requirements

Participates in PharmCAS: *No*
 Deadline for receipt of applications: *October 15*
 Supplemental application required: *No*
 Supplemental application fee: *Not applicable*
 Expected GPA: *3.2*
 Minimum overall GPA considered: *2.75*
 Minimum prerequisite GPA considered: *2.75*
 PCAT required: *Yes*
 Minimum PCAT scores considered: *No minimum*
 Oldest PCAT scores considered: *2 years*
 Interview required: *Yes*

Husson University

School of Pharmacy

Accreditation Status: *Candidate*

Type of Institution: *Private*

Main Campus: *Bangor, ME*

Branch Campus(es): *None*

Satellite Program(s): *None*



General Information

Husson University is located in Bangor, Maine. With approximately 2,500 students and an emphasis on preparing students with a broad education and marketable skills, Husson is an excellent choice for students who want “The closeness of a college the breadth of a university.”

Husson’s 200 acre central campus is only seven minutes from Bangor International Airport and two miles from Bangor’s business district with its charming northern New England shops, tasty dining, and world class performing arts. Bangor is a gem of a city with approximately 32,000 residents serving as the major commercial and cultural center for eastern and northern Maine and the gateway to all of central and northern Maine’s scenic “vacationland.” The population of the Bangor Metropolitan Statistical Area is over 148,000 and the population of the five county area for which Bangor is the largest market town, distribution center, transportation hub, and media center, is over 325,000 people. Located approximately 250 miles north of Boston and 250 miles east of Quebec City, Bangor has one of the lowest urban crime rates in the United States.

Since 1898, Husson has been educating Maine’s leaders. Originally preparing students for commerce, teaching and telegraphy, Husson came of age in 1953, when the State enacted legislation authorizing Husson to grant Bachelor of Science degrees. In the 1960s, Husson purchased a dairy farm, transforming the space into an appealing and scenic 200 acre wooded campus. Husson today offers numerous undergraduate degrees and many innovative advanced and professional degree programs, as well a diverse selection of core science and humanities courses. In October of 2008, Husson College became Husson University in recognition of its professional and graduate degree granting status.

Husson is accredited by the New England Association of Schools and Colleges, Inc. (NEASC), The International Assembly for Collegiate Business Education (IACBE), the Commission on Collegiate Nursing Education (CCNE), the Commission on Accreditation in Physical Therapy Education (CAPTE), the Accreditation Council for Occupational Therapy Education (ACOTE), and is approved by the Maine State Board of Education. It is currently seeking accreditation from the Accreditation Council for Pharmacy Education (ACPE) for its new School of Pharmacy.

Mission/Vision

Husson University’s mission is to offer undergraduate, graduate and professional doctoral degrees in pharmacy, business, health, education, and science and humanities. At the undergraduate level Husson seeks to serve motivated students through a curriculum which integrates liberal arts and sciences, professional and technical studies, and experiential learning outside the classroom. Husson dedicates itself to excellence in teaching, to a personalized collegiate experience, to the development of individual self worth, to a curriculum which promotes clear thinking and communication skills, and to an environment which values the search for ethical truths in a changing world.

The Husson University School of Pharmacy (HUSOP) vision is to be “A regional leader in integrative pharmacy education committed to influencing the practice of pharmacy and rural health care delivery in the State of Maine.” The HUSOP mission is an extension of the institutional mission stating: “Graduates of the Husson University School of Pharmacy will be capable of providing patient- and population-centered pharmaceutical care. The educational outcomes of the program encompass disease management, health promotion, systems management, communication, problem solving, and

professionalism. The School of Pharmacy is committed to delivering these outcomes by learned and diverse faculties who excel in teaching and contribute to the profession and community through scholarly activities and service.”

Curriculum

The Husson Pharm.D. program is a four-year curriculum, completed after at least two-years of pre-pharmacy instruction. Students may complete the prerequisites at Husson or any other accredited college or university that offers equivalent coursework.

The curriculum is designed to provide a high-quality educational experience utilizing a variety of techniques and methodologies. Some of these include lectures, case studies, practice laboratories, computer-aided instruction, and supervised hands-on patient care. Full-time faculty, as well as practicing health care professionals, will be providing the program instruction.

The curriculum will build upon the pre-pharmacy coursework foundation in the first two years, and focus on science-based coursework. Then it will incorporate an increasing number of pharmacy practice courses, culminating in the final year, which will consist of six six-week advanced practice experiences that will build upon three introductory practice experiences incorporated into the first three years of the professional program.

Local and state-wide practitioners and practice sites will be utilized to provide the experiential components of the program. Identification of the sites and placement into the sites will be coordinated by the school. Additional opportunities will exist to participate at sites outside of the school’s network.

Prerequisite Courses

Course	Semester Hours
General Chemistry with Labs	8
Organic Chemistry with Labs	8
General Biology with Labs	8
Human Anatomy and Physiology with Labs	8
Calculus	4
Statistics	3
English Composition/Writing Intensive Course	6
Economics (<i>Macro or Micro</i>)	3
Introduction of Psychology/Sociology	3
Speech	3
General Education Electives*	6

*Choose one from two separate areas: Humanities, History, Philosophy/Ethics, Foreign Culture/Conversation, and Fine Arts.

Statistics for 2009 Entering Class Acceptees

Number interviewed:	102
Number accepted:	65
Estimated entering class size:	65
Estimated male (%):	54%
Estimated female (%):	46%
Estimated out-of-state (%):	25%

Application Process and Requirements

Participates in PharmCAS: Yes
Deadline for receipt of applications: March 1
Supplemental application required: No
Supplemental application fee: Not applicable
Expected GPA: 3.5
Minimum overall GPA considered: Not reported
Minimum prerequisite GPA considered: 2.75
PCAT required: Yes
Minimum PCAT scores considered: No minimum
Oldest PCAT scores considered: 3 years
Interview required: Yes

Admission Requirements

Detailed admissions information can be found on our website at <http://www.husson.edu/pharmacy>. The School of Pharmacy utilizes the PharmCAS application process (<http://www.pharmacas.org/>).

The key factors for used in determining admission will be pre-pharmacy science and math grades, PCAT scores and the scores from the on-campus interview which include a case study discussion, a timed writing related to the case study and the personal interview with a two-member faculty team. Other factors may also be utilized to help determine the best candidates for the seats in the program. A minimum of 60 credits of pre-pharmacy coursework is required before a student can enter the professional program.

Applications will be accepted approximately a year in advance, with a deadline of January 31st. At that time applicants must have submitted all official transcripts, their official PCAT scores, and a completed School of Pharmacy application. Interviews may be scheduled before or after the application deadline. Three quarters of the Chemistry, three-quarters of the Biology/A&P, and one of the math prerequisites must be successfully

completed prior to the application deadline. All pre-pharmacy coursework must be completed prior to matriculation.

Applicants will be notified their acceptance in to the program in the Spring.

For Further Information

Husson University
 School of Pharmacy
 1 College Circle
 Bangor, ME 04401-2999
 207-973-1019
 Fax: 207-992-1954
 OgdenJ@Husson.edu
www.husson.edu/pharmacy



University of New England

College of Pharmacy

Accreditation Status: *Candidate*

Type of Institution: *Private*

Main Campus: *Portland, ME*

Branch Campus(es): *None*

Satellite Program(s): *None*



General Information

The University of New England (UNE) is an independent, coeducational university with distinctive campuses in two coastal Maine cities, Biddeford and Portland. The University unites several fine institutions of higher education. St. Francis College, founded in 1939, joined with the New England College of Osteopathic Medicine to create the University of New England in Biddeford in 1978. A subsequent merger with Westbrook College in Portland, which was founded in 1831, makes the University of New England the third oldest institution of higher education in the state of Maine.

UNE's University Campus is home to the College of Arts and Sciences, which offers a pre pharmacy program in addition to more than thirty other undergraduate majors, and the College of Osteopathic Medicine.

The Portland Campus is home to the new College of Pharmacy and also the College of Health Professions. Located in a quiet neighborhood that is a 10 minute drive from downtown Portland, the historic Westbrook College Campus is close to major clinical sites, cultural events, restaurants, shopping, nightlife, the beaches, the harbor, walking and biking trails and much more. Housing is available in the greater Portland and surrounding areas. The Office of Residential Education and Housing maintains a listing service of available properties. Long standing annual traditions on this campus like Family and Friends Weekend, Charter Day, the Last Lecture Series, and the Candlelighting Celebration that follows the Holiday Dinner, all help to create a warm and friendly feeling on campus. The campus is also home to two important Portland cultural institutions. The Maine Women Writers Collection, a pre eminent special collection of literary, cultural and social history sources by and about Maine women, was designated a national Literary Landmark and continues to host local women's studies programs and national

conferences. The Art Gallery, which reopened in April 1998, offers a series on ongoing exhibitions of art and photography.

The College of Pharmacy, formed in 2006, aspires to become recognized nationally for the quality of both its professional degree program and its research enterprise. The four year Pharm.D. graduate program enrolled its inaugural class of 99 in 2009. Construction of a 48,000 square foot state of the art academic and research facility was completed in August of 2009. The University has made strategic decisions, hired faculty, allocated resources and planned buildings to move rapidly towards becoming a significant research institution, especially in the areas of biomedical and marine science research. This strategic direction is designed to enhance education, advance knowledge, improve health and stimulate the local and state economies, specifically through job creation and spin off high tech companies. The College of Pharmacy is also fortunate to be surrounded by a significant number of patient care sites, providing students with unlimited opportunities to not only experience the traditional dispensing role of the pharmacist, but also opportunities in the areas of specialty practice e.g., compounding (human and veterinary), nursing home services and long term care consulting.

Mission/Vision

The mission of the College of Pharmacy will be to provide a suitable environment for the teaching-learning process to effectively deliver a contemporary pharmacy curriculum designed to graduate competent practitioners for the state of Maine and the nation.

Additionally, the College will establish and maintain an active and productive research enterprise for the discovery of new knowledge in the laboratory and in the patient care setting.

The College will also cultivate and nurture in its students the value and need for a commitment to life-long learning.

Curriculum

The four-year curriculum has two major components- didactic and experiential. The didactic component of the Doctor of Pharmacy curriculum is designed to provide a challenging assortment of courses that will command the attention of the students, and yet be delivered in a method and at a pace that will permit the committed student to achieve success. It will be organized to deliver its course content in a manner that allows the students to build upon the knowledge provided by the basic biomedical and pharmaceutical sciences and the social, behavioral, and administrative sciences as they progress through the didactic and experiential aspects of pharmacy practice. Delivery of the curriculum will engage the students in an active learning process, in which their critical thinking and problem-solving skills will continue to be refined. The introductory pharmacy practices experiences will take place in the summer after years one and two, and the advanced pharmacy practice experience will be comprised of six, six-week experiences during the fourth year of the program.

Admission Requirements

All applicants are required to submit applications through PharmCAS. Applicants entering the program must complete the 71 credit hours of pre-professional requirements with a minimum prerequisite GPA of 2.5, and grades of 'C' or better; complete the PCAT exam no later than January of the year of anticipated enrollment; successfully interview with the College of Pharmacy; submit a letter of recommendation from a pharmacist and a letter of recommendation from a professor familiar with the students work; demonstrate participation in campus or community activities; and successfully complete a criminal background check. Complete information is available on our website www.une.edu/pharmacy

Prerequisite Courses

Course	Semester Hours
English Composition	6
Biology I with Lab	4
Biology II with Lab	4
Anatomy & Physiology I with Lab	4
Anatomy & Physiology II with Lab	4
General Chemistry I with Lab	4
General Chemistry II with Lab	4
General Physics I with Lab	4
Calculus	4
Statistics	3
Introductory Psychology	3
Public Speaking	3
Human Behavior/Social Sciences	3
General Education/Liberal Arts Electives	9
Red Cross certified Professional Rescuer Training course that includes cardiopulmonary resuscitation (CPR) and defibrillator training	1
Total	71

Statistics for 2010 Entering Class Acceptees

Number interviewed:	144
Number accepted:	99
Estimated entering class size:	99
Estimated male (%):	44%
Estimated female (%):	56%
Estimated out-of-state (%):	77%

Application Process and Requirements

Participates in PharmCAS: Yes
Deadline for receipt of applications: February 1
Supplemental application required: No
Supplemental application fee: Not applicable
Expected GPA: 3.0
Minimum overall GPA considered: 2.75
Minimum prerequisite GPA considered: 2.75
PCAT required: Yes
Minimum PCAT scores considered: 30th percentile
Oldest PCAT scores considered: 2 years
Interview required: Yes

For Further Information

Dr. Curt R. Cyr, Ph.D.
 Associate Dean, College of Pharmacy
 University of New England
 716 Stevens Avenue
 Portland, Maine 04103
 207-221-4150
 ccyr@une.edu
 www.une.edu/pharmacy



College of Notre Dame of Maryland

School of Pharmacy

Accreditation Status: *Candidate*

Type of Institution: *Private*

Main Campus: *Baltimore, MD*

Branch Campus(es): *None*

Satellite Program(s): *None*



General Information

At College of Notre Dame of Maryland, students learn for life. A Catholic liberal arts college, Notre Dame helps students achieve more than they ever imagined intellectually, spiritually, personally and professionally. Undergraduate and graduate programs challenge students to strive for intellectual and professional excellence, to build inclusive communities, to give of themselves in service and to promote social responsibility. Notre Dame students are engaged learners, embracing service opportunities and experiential learning, and taking on leadership roles among their peers. After graduation, the College's 17,000 plus alumnae have become leaders in a full range of professional fields and important contributors to family and community life throughout the country and the world.

With more than 3,400 students across all programs, the College not only bolsters the workforce, but also educates individuals to become responsible members of society who live their professional and personal lives with integrity. A commitment to academic excellence remains the foundation of the institution. At Notre Dame, scholarship and faith are partners. The College enthusiastically welcomes students, faculty and staff of all faith traditions. Campus wide programs encourage students to explore, understand and express their personal beliefs and values and to respect those of others.

The College took a bold and transformative move by opening a new School of Pharmacy in 2008, the second school of pharmacy established in the state of Maryland. The College's location places the School of Pharmacy in an environment in which education and health care are among the best in the nation, providing our pharmacy students with access to outstanding clinical practice environments. With a class size of 70, students will have the opportunity to work closely with

faculty and develop a mentoring relationship that will last throughout their career. In fulfilling its mission, the School and College recognize leadership and service as integral to the culture of its community life, believing that education transforms individuals who, in turn, transform society.

Notre Dame students enjoy the College's beautiful 58 acre landscaped and wooded campus, scenically located in a residential part of Baltimore's North Charles Street corridor. From the campus, students can easily access resources throughout the city, including a number of neighboring colleges and universities.

Mission/Vision

The vision of the School of Pharmacy is to provide exceptional pharmacy education by creating a model learning community dedicated to the transformation of societal health.

The mission of the School of Pharmacy is to educate student pharmacists to be competent, ethical and caring pharmacists who will provide quality care to diverse patient populations in an ever changing society. Our dynamic and challenging curriculum fosters the development of leadership and life long learning skills through excellence in teaching and learning, service, and scholarship. We strive for excellence in all our endeavors and work together as a team that embraces professionalism, integrity, mutual respect, open communication and creativity.

In addition, the School encourages students to pursue post graduate training and education. Opportunities will be available to students to engage in research with faculty in the Department of Pharmaceutical Sciences and Department of Clinical & Administrative Sciences.

Curriculum

The School offers an innovative 4 year professional curriculum that is designed to foster the development of the student pharmacist as a critical thinker, and an ethical, competent, and caring professional. The School faculty embraces a student centered philosophy to teaching and learning that engages the student in the learning process. Emphasis is placed on a patient centered approach to the provision of pharmacist care, practice skill development, teamwork, and communication skills. In addition, there is an emphasis on areas that have been identified by the Institute of Medicine as important components of education of all health care professionals. These areas include, but are not limited to, public health, cultural competence, and professionalism. With an aging population that includes a high percentage of women, coursework that focuses on women's health issues across the lifespan is included. Pharmacy practice and health care experiences are interwoven throughout the first three didactic years to provide students with opportunities for application of information learned in the classroom. Coursework is designed such that information is reinforced throughout the three didactic years. The fourth year consists of 35 weeks of advanced clinical rotations that are completed at health systems, community pharmacy practices and other specialized practice environments. This final year culminates in a one week community based advanced clinical experience that focuses on enhancing the health of the Baltimore community.

Admission Requirements

The School of Pharmacy uses the Pharmacy College Application Service (PharmCAS, www.pharmcas.org) for all admissions. This centralized service allows applicants to use a single application and one set of official U.S. transcripts to apply to multiple Pharm.D.

Prerequisite Courses

Course	Semester Hours
English	6
Speech/Public Speaking	3
Ethics (<i>medical ethics preferred</i>)	3
Economics	3
Calculus	3
Statistics	3
General Chemistry with lab	8
Organic Chemistry with lab	8
General Biology with lab	8
Microbiology with lab	4
Anatomy & Physiology	8
Physics	3
Psychology/ political science/social science	6
General Education* (<i>divided among humanities, fine arts, foreign language, business, computer sciences, religious studies</i>)	6

Statistics for 2009 Entering Class Acceptees

Number interviewed:	189
Number accepted:	151
Estimated entering class size:	70
Estimated male (%):	41%
Estimated female (%):	59%
Estimated out-of-state (%):	53%

Application Process and Requirements

- Participates in PharmCAS: Yes
- Deadline for receipt of applications: February 1
- Supplemental application required: Yes
- Supplemental application fee: \$55
- Expected GPA: 3.0
- Minimum overall GPA considered: 2.5
- Minimum prerequisite GPA considered: 2.5
- PCAT required: Yes
- Minimum PCAT scores considered: Prefer 50th percentile
- Oldest PCAT scores considered: 2 years
- Interview required: Yes

degree programs. Applicants will complete the web based application and submit official transcripts and PCAT scores directly to PharmCAS. The PharmCAS application deadline is February 1, 2011. A School supplemental application is also required. Supplemental applications can be obtained from the School of Pharmacy and the submission deadline is March 1, 2011.

To be considered for admission to the School, the prospective student must:

1. Complete, or be in the process of completing, 72 semester credits of non remedial, pre requisite course work from a regionally accredited U.S. college or university. The student must earn a grade of "C" or better (not C minus) in each pre requisite course.
2. Earn a cumulative grade point average of 2.50 on a 4.00 scale and a science cumulative grade point average of 2.50 on a 4.00 scale.
3. Earn a minimum PCAT score in the 50th percentile. Submit scores from the Pharmacy College Admissions Test (PCAT) directly to PharmCAS. Only PCAT test scores earned in June 2008 or more recently will be considered and the PCAT score must not be more than 2 years old at the time of application.
4. Possess the oral and written communication skills necessary to interact with patients, other health care providers and colleagues.
5. Possess a people/service orientation as demonstrated by participation in community service or extracurricular activities.
6. Possess the proper motivation for and commitment to the pharmacy profession as demonstrated by previous work, volunteer activities or other life experiences.
7. Complete a School of Pharmacy on campus interview (by invitation only). Not all applicants will be invited to interview.

For Further Information

Office of the Dean
 School of Pharmacy
 College of Notre Dame of Maryland
 4701 N. Charles St.
 Baltimore, MD 21210
 410-532-5551
www.ndm.edu

University of Maryland

School of Pharmacy

Accreditation Status: *Full*
Type of Institution: *Public*
Main Campus: *Baltimore, MD*
Branch Campus(es): *Rockville, MD*
Satellite Program(s): *None*



UNIVERSITY OF MARYLAND
SCHOOL OF PHARMACY

General Information

The University of Maryland School of Pharmacy, founded in 1841, is the fourth oldest school of pharmacy in the nation and is consistently ranked in the top ten among the schools of pharmacy. Through our education, research, practice, and public service the School of Pharmacy enhances health for people across the state, nation, and the world. The Doctor of Pharmacy (Pharm.D.) program at the University of Maryland School of Pharmacy provides future generations of pharmacists with the knowledge and skills needed to be an essential contributor in the dynamic health care arena.

Students can choose to complete the program either at the University of Maryland Baltimore campus or at the University's Shady Grove campus. Students at the Shady Grove location learn via digital education and have all the same resources and advantages of the Baltimore campus.

The Pharmacy School is part of the University of Maryland, Baltimore comprised of an academic health center along with the Schools of Medicine, Law, Nursing, Physical Therapy, Dentistry and Social Work. The Baltimore campus is also only an hour's drive from the National Institutes of Health, the U.S. Food and Drug Administration, the National Science Foundation, and the attractions of Washington D.C. The Shady Grove campus is located even closer to these major federal agencies, as well as many area hospitals, such as Montgomery County General and Shady Grove Adventist. Both campuses provide a stimulating environment for cultural, civic and recreational activities.

Mission/Vision

We enhance health through innovative pharmaceutical education, research, practice and public service.

Vision 2010: We lead the way in advancing the profession of pharmacy.

In our innovative educational, research and practice settings, students gain the knowledge and skill to excel in a variety of pharmaceutical careers. Employing a spirit of discovery fostered during the course of their studies, our graduates are leaders wherever they practice, conduct research, or teach. They are essential contributors in the dynamic health care arena meeting the need for pharmacists within the State of Maryland and beyond.

As a top five research school, we apply an integrative understanding of drug discovery, development and utilization in conducting groundbreaking and translational research. The outcomes from this research make a major impact on improving the quality of people's lives.

We are a formidable influence in shaping drug policy and pharmaceutical practice. Our community service programs bring education and care to people in Baltimore City and throughout the State. These endeavors, coupled with our national and international collaborations, improve the effectiveness of pharmaceutical care throughout the world.

Our faculty, staff and students create and sustain a welcoming and supportive environment where people develop professionally and use their knowledge and talents to realize this vision.

University of Maryland School of Pharmacy
It's happening here!

Curriculum

Currently, the School is admitting approximately 160 students to a 4-year doctor of pharmacy (Pharm.D.) program. Students apply to the Pharm.D. program after completing 65-hours of pre-requisite coursework from an accredited college. The Pharm.D.

program emphasizes integrated basic science coursework, extensive clinical experiences taught by practice-based faculty, and problem solving and collaborative skill development. Graduates should have the ability to adapt their practice to the changing health care system and should be prepared to engage in a continuing program of professional development.

Admission Requirements

Applicants must complete at least 65 semester credits at an accredited two-year or four-year college or university.

The School seeks to enroll students with diversified backgrounds in order to make the educational experience more meaningful for each student.

Applicants must present evidence of having successfully completed, or plan to complete, the required pre-professional program outlined above. In addition, applicants must take the Pharmacy College Admission Test (PCAT) and submit the test results with the other records to PharmCAS. An Admissions committee consisting of faculty members, alumni and students considers the applicant's academic achievement, scores on the PCAT, letters of recommendation, leadership experience and personal characteristics. Academic Achievement and/or high PCAT scores do not themselves ensure acceptance. Qualities, such as professional and social awareness, written and oral communication skills, problem-solving ability and motivation, are also considered. While a minimal GPA of 2.5 (A=4.0) is required for application consideration, the average GPA of entering students is typically about 3.4. Finally, only those applicants who have attended at least one semester at a U.S. or Canadian accredited institution are considered.

The University of Maryland participates in the PharmCAS national application process. The deadline for application materials is Jan.

Prerequisite Courses

Course	Semester Hours
English Composition	3
General Chemistry with Lab	8
Organic Chemistry with Lab	8
Biology with Lab	4
Calculus	3
Human Anatomy and Physiology	6
Physics with Lab.	8
Microbiology with Lab	4
Statistics	3
Humanities/Social Science (<i>at least one course each in microeconomics and speech communication</i>)	18

Statistics for 2009 Entering Class Acceptees

Number interviewed:	342
Number accepted:	230
Estimated entering class size:	160
Estimated male (%):	38%
Estimated female (%):	62%
Estimated out-of-state (%):	28%

Application Process and Requirements

Participates in PharmCAS: Yes
 Deadline for receipt of applications: January 5
 Supplemental application required: Yes
 Supplemental application fee: \$45
 Expected GPA: 3.0
 Minimum overall GPA considered: 2.5
 Minimum prerequisite GPA considered: 2.5
 PCAT required: Yes
 Minimum PCAT scores considered: 70th percentile
 Oldest PCAT scores considered: 2 years
 Interview required: Yes

5th. Please contact www.pharmacas.org for application information or the University of Maryland School of Pharmacy website: www.pharmacy.umaryland.edu/admissions/pharmd/applying.

In general, the School will accept any credit accepted by the accredited prepharmacy institution through the CEEB (Advanced Placement or College Level Examination Program). Students must receive a grade of "C" or better on prerequisite course work.

Other Programs

Dual Pharm.D. Degree Programs

- Pharm.D./JD
- Pharm.D./MBA
- Pharm.D./M.P.H.
- Pharm.D./Ph.D.

Doctor of Philosophy (Ph.D.) Programs

- Pharmaceutical Health Services Research
- Pharmaceutical Sciences

For Further Information

Program Information:

Office of Student Affairs
 School of Pharmacy
 20 North Pine St. Suite 722
 Baltimore, MD 21201-1180
 800-852-2988 or 410-706-7653
pharmdhelp@rx.umaryland.edu
www.pharmacy.umaryland.edu/admissions/pharmd

Financial Aid:

Office of Financial Aid
 410-706-7347
www.umaryland.edu/fin

University of Maryland Eastern Shore

School of Pharmacy and Health Professions

Accreditation Status: *Precandidate*

Type of Institution: *Public*

Main Campus: *Princess Anne, MD*

Branch Campus(es): *None*

Satellite Program(s): *None*



General Information

The University of Maryland Eastern Shore (UMES) is a land grant, historically black college founded in 1886. It became a member of the then eleven campus (now thirteen) University of Maryland System, now known as the University System of Maryland in 1988. UMES is approved by the state of Maryland and fully accredited by the Middle States Association of Colleges and Schools. Please see the accreditation section for information on the accreditation status of the pharmacy program.

UMES is located on over 600 acres of land in the town of Princess Anne, a rural area on the Eastern Shore of Maryland. The town dates back to 1733 and has many buildings and landmarks of historic interest. The quiet community environment is excellent for learning, yet is within driving distance (2-3 hrs) of many cultural and recreational facilities of Washington, D.C., Baltimore, Philadelphia, and Virginia Beach. The state's famous seaside resort, Ocean City, is only 45 minutes from the campus. The campus is located 13 miles south of the town of Salisbury, which provides shopping, recreational, and medical facilities.

Mission/Vision

The School of Pharmacy embraces the mission of the University as it develops a group of faculty and student scholars who are dedicated to impacting the healthcare needs of the people of the Delmarva Peninsula and the nation. The program focuses on a strong foundation in the pharmaceutical, social/administrative, and clinical sciences, provision of high quality patient centered care and medication therapy management, lifelong learning, and opportunities for multi cultural development.

The goal of the UMES School of Pharmacy is to offer a professional program which prepares students to acquire the knowledge, and develop the skills and attitudes required to earn the Doctor of Pharmacy degree. These

graduates will be capable of delivering contemporary patient centered care and of providing medication management. Public health, cultural competency, patient safety, evidence based medicine, and appropriate medication therapy management will be emphasized. The graduates will be prepared to meet the requirements for licensure in Maryland, Delaware and Virginia, and to serve the needs of the Delmarva Peninsula.

Curriculum

The UMES School of Pharmacy will utilize a three year, year round modular curriculum. The professional curriculum provides a broad biomedical, pharmaceutical, social, administrative, and clinical science foundation. Upon completion of the curriculum the student should possess a core of knowledge, skills, attitudes, and values necessary to practice contemporary pharmacy practice. There are two major components of the program: the didactic and the experiential components.

Admission Requirements

GPA Requirement

A minimum 2.75 Science GPA and 2.75 Cumulative GPA is required for eligibility for the program. This GPA is calculated using ONLY the prerequisite coursework.

Course Requirements (Prerequisites)

Pre-pharmacy requirements may be taken at the University of Maryland Eastern Shore or any accredited institution in the United States. Foreign credits are not accepted, nor are they transferable.

For Further Information

Office of Student Affairs
University of Maryland Eastern Shore
School of Pharmacy
1 Backbone Road, Somerset Hall
Princess Anne, MD 21853
410-621-2292
Fax: 410-651-8394

Prerequisite Courses

Course	Semester Hours
Biology I with Lab	4
Anatomy/Physiology with Lab	8
Microbiology-Lecture with Lab	4
General Chemistry with Lab	8
Organic Chemistry with Lab	8
Physics with Lab	4
Calculus	3-4
Statistics	3
Economics	3
English/Literature	6
Speech/Public Speaking	3
Humanities/Social Sciences	12

Statistics for 2010 Entering Class Acceptees

Number interviewed	NR
Number accepted	NR
Estimated entering class size	NR
Estimated male	NR
Estimated female	NR
Numbered out-of-state	NR

Application Process and Requirements

Participates in PharmCAS: Yes
Deadline for receipt of applications: February 1
Supplemental application required: Yes
Supplemental application fee: \$25
Expected GPA: 3.0
Minimum overall GPA considered: 2.75
Minimum prerequisite GPA considered: 2.75
PCAT required: Yes
Minimum PCAT scores considered: 40th percentile
Oldest PCAT scores considered: 5 years
Interview required: Yes

Massachusetts College of Pharmacy and Health Sciences

School of Pharmacy–Boston

Accreditation Status: *Full*

Type of Institution: *Private*

Main Campus: *Boston, MA*

Branch Campus(es): *Worcester, MA; Manchester, NH*

Satellite Program(s): *None*



General Information

Founded in 1823, the Massachusetts College of Pharmacy and Health Sciences (MCPHS) is a private, independent, coeducational college. MCPHS is renowned as one of the nation's oldest and most esteemed colleges of pharmacy. MCPHS strives to be a nationally and internationally recognized leader in the education of health professionals. MCPHS provides traditional and non-traditional programs of study that serve the needs of the community and promote the following core values: innovative teaching that fosters student-centered learning; integration of the liberal arts and basic sciences with professional studies; scholarship that fosters life-long learning and continuing professional development; cross-cultural perspectives on health issues; leadership; and caring among health practitioners.

MCPHS reaches these goals by providing a state of the art learning environment that facilitates critical thinking and problem-solving; research and scholarly inquiry; and service to the institution, the professions and the global community. MCPHS educational goals are achieved by a geographically and culturally diverse body of accomplished students, faculty and staff who take full advantage of the teaching, learning, research and practice opportunities available in one of the world's great health centers.

As a member of the Longwood Medical and Academic Area in Boston, MCPHS can provide resources unmatched by any other institution. In early 1996, the college completed construction of the Fennell/Iorio Building, an eight-story, 230,000 square-foot mixed use facility. Connected to the existing George Robert White Building by a sky-lighted atrium, the Fennell/Iorio Building includes sophisticated research facilities, modern laboratories, faculty offices, classrooms, a 180-student residence hall, and cafe. The George Robert White Building houses classrooms, laboratories, lecture halls, faculty

offices, and administrative offices. A new 30 million dollar Matricaria Academic and Student Center was completed in August 2004. The new building houses the Henrietta De-Benedictus Library, learning center, modern laboratories, classrooms, and apartment style residence space for 230 students. The Griffin Academic Center opened in January 2009. This new six-story facility contains 50,000 square feet of classrooms, faculty and staff offices, teaching laboratories, a technology center, and 250-seat auditorium in addition to a multi-function room.

The MCPHS Boston campus is in the heart of the Longwood Medical area, which is in close proximity to many outstanding medical and research facilities. MCPHS is affiliated with many of Boston's major teaching hospitals, community pharmacies, community health centers, and pharmaceutical and biotechnology companies.

The School of Pharmacy-Boston has a Center for Drug Information and Natural Products (CDINP). The CDINP provides drug information to members of the MCPHS community as well as other health care providers and conducts research, provides educational programs, and provides information on herbals, homeopathic remedies, and nutraceuticals as well as non-substance-based treatment modalities.

Student life at the college provides opportunities to develop friendships and meet people from diverse backgrounds. Students may participate in many college sponsored student organizations which include five fraternities, a college newspaper, the yearbook, student chapters of professional pharmacy organizations (American Pharmacists Association, American Society of Health-System Pharmacists, National Community Pharmacists Association), Honor and Leadership Societies, Black Student Union, Vietnamese Student Association, Habitat for Humanity, Student Government, Campus Activities Board, intramural sports, a fitness center and the

residence hall council. In addition, the City of Boston offers museums, theater, opera, a symphony orchestra, ballet, professional sports, nightlife, shopping, an international airport, and many areas of historic interest.

MCPHS is a proud member of the Colleges of the Fenway (COF), a consortium of six private colleges in the Fenway neighborhood. Students are able to cross register for courses in these other colleges and may participate in many other activities with students from other COF Institutions.

MCPHS makes available room and board residence hall facilities. Students may also elect to seek off-campus accommodations not affiliated with the College.

Priding itself on the personal approach, MCPHS encourages each prospective student to visit the campus.

Mission/Vision

Massachusetts College of Pharmacy and Health Sciences provides a unique academic environment to guide and support students toward successful, sustainable careers and leadership in health care. As a private independent institution with a long and distinguished history of specializing in health sciences education, the College offers traditional and non-traditional programs that embody teaching excellence, active scholarship and research, professional service, and community outreach.

Curriculum

Students build their foundations for learning with study in the basic sciences of biology, chemistry and physics as well as mathematics and liberal arts. Students then progress to intensive core professional courses such as biochemistry, physiology, medicinal chemistry, pharmacology, pharmaceuticals, and disease state management culminating in the final year of experiential education

Prerequisite Courses

Course (high school)	Units
English	4
Math (<i>geometry, Algebra I & II</i>)	3
Laboratory Science (<i>biology, chemistry</i>)	2
History	1
College preparatory subjects (<i>advanced math, science, or physics are recommended</i>)	6

Statistics for 2009 Entering Class Acceptees

Number interviewed	NA
Number accepted	976
Estimated entering class size	323
Estimated male (%)	37%
Estimated female (%)	63%
Estimated out-of-state (%)	54%

Application Process and Requirements

Participates in PharmCAS: *Yes*
 Deadline for receipt of applications: *February 1*
 Supplemental application required: *No*
 Supplemental application fee: *Not applicable*
 Expected GPA: *Not reported*
 Minimum overall GPA considered: *Not reported*
 Minimum prerequisite GPA considered: *Not reported*
 PCAT required: *No*
 Minimum PCAT scores considered: *Not applicable*
 Oldest PCAT scores considered: *Not applicable*
 Interview required: *No*

in area health care facilities and community pharmacies

Admission Requirements

First year and transfer applicants may enter only in the fall semester; the priority application deadline is February 1 for both first-year and transfer students.

Advanced standing of up to one year may be given on the basis of results of the College Board's Advanced Placement examinations. Applicants are also required to submit SAT (Scholastic Aptitude Test) scores. The TOEFL (Test of English as a Foreign Language) is required if English is not the applicant's primary language. Minimum TOEFL scores are 550 (paper-based) and 213 (computer-based).

Transfer applicants must submit official transcripts from all accredited colleges and universities they have attended. The TOEFL test is required if English is not the applicant's primary language.

Other Programs

- Nursing
- Dental Hygiene
- Pre-Medical and Health Studies
- Physician Assistant
- Radiologic Science
- Health Psychology
- Health Sciences
- Environmental Science

Additional Information

Member: Colleges of the Fenway Consortium

Three campuses: Boston, Worcester, and Manchester, NH

For Further Information

Office of Admission
 Massachusetts College of Pharmacy and Health Sciences
 179 Longwood Avenue
 Boston, MA 02115-5896
 617-732-2850 or outside MA 800-225-5506
 Fax: 617-732-2801
 www.mcphs.edu

Massachusetts College of Pharmacy and Health Sciences

School of Pharmacy–Worcester/Manchester

Accreditation Status: *Full*

Type of Institution: *Private*

Main Campus: *Worcester, MA*

Branch Campus(es): *Boston, MA*

Satellite Program(s): *Manchester, NH*



General Information

The Massachusetts College of Pharmacy and Health Sciences (MCPHS) strives to be a nationally and internationally recognized leader in the education of health professionals. As a private and independent institution with a long and distinguished history, MCPHS provides traditional and non traditional programs of study that serve the needs of the community and promote its core values.

The School of Pharmacy–Worcester/Manchester embraces a set of core values that reflect commitment to preparing competent, caring, ethical pharmacy professionals to meet the public's need for high quality health care.

MCPHS reaches these goals by providing a state of the art learning environment that facilitates critical thinking and problem solving; research and scholarly inquiry; and service to the institution, the professions and the global community. MCPHS' educational goals are achieved by a geographically and culturally diverse body of accomplished students, faculty and staff who take full advantage of the teaching, learning, research and practice opportunities available in one of the world's great health centers. There are state of the art facilities on both campuses.

The accelerated program is offered at MCPHS School of Pharmacy–Worcester (School of Pharmacy–Boston offers the traditional four year professional program). In conjunction with the School of Pharmacy, Worcester, MCPHS offers the accelerated Doctor of Pharmacy Program at its Manchester, NH campus using technologically sophisticated, interactive video conferencing, as well as on site didactic courses and laboratories.

The second largest city in Massachusetts, Worcester is well known for its institutions of higher learning for its more than a dozen colleges and universities and for its healthcare and research facilities. Manchester is New

Hampshire's largest city and is the center of the state's diversified industrial and service community. Both cities offer excellent opportunities for a vibrant and varied social life.

MCPHS is a proud member of the Colleges of the Worcester Consortium (CoWC), a consortium of 13 colleges in central Massachusetts. Manchester Area Colleges Consortium (MAC) comprised of 10 higher education institutions; and New Hampshire College & University Council (NHCUC), a consortium of 14 public and private institutions. Students are able to cross register for courses in these other colleges and may participate in many other activities with students from other consortia institutions.

Mission/Vision

The Massachusetts College of Pharmacy and Health Sciences School of Pharmacy Worcester/Manchester (MCPHS SOP W/M) aspires to be recognized as a premier pharmacy college, known for excellence in pharmacy education, scholarship and service.

Massachusetts College of Pharmacy and Health Sciences School of Pharmacy Worcester/Manchester graduates competent pharmacists, capable of providing contemporary pharmacy care to patients in community practice and other healthcare settings. The school provides an accelerated learning environment that promotes critical thinking, problem solving, and scholarship through the use of innovative and creative teaching methods; state of the art technology; and an expert, dynamic and diverse faculty. The school prepares pharmacists for all areas of practice through programs that embody teaching excellence, active scholarship, professional service, community outreach, and a spirit of caring and responsibility.

The School of Pharmacy Worcester/Manchester embraces a set of core values that reflect commitment to preparing competent, caring, ethical pharmacy professionals to

meet the public's need for high quality health care. In order to fulfill this vision, the School is committed to achieving the following strategic initiatives:

Diverse Perspective, One Vision at MCPHS

SOP W/M, as one of several constituencies, supports the MCPHS core institutional identity through delivery of its educational, scholarship and service activities. Academic and administrative units work together as a team to ensure effectiveness.

Student Success

SOP W/M is committed to the success of its students through provision of an effective learning and co curricular experience.

Employer of Choice

SOP W/M is an employer of choice across all disciplines and job categories. Retention of qualified faculty and staff is a priority. Faculty and staff feel valued, respected and professionally satisfied. They participate fully in all aspects of School and College life, including co curricular, alumni and continuing education activities.

Programs and Services

SOP W/M responds to the pharmacy services needs of society, the healthcare delivery system and the health professions by providing contemporary educational programs, scholarship and service.

Aligning Quality and Growth

SOP W/M provides the resources necessary to sustain both quality and growth. Clear and well understood mechanisms govern program planning, budget development, resource allocation and outcomes assessment. Appropriate technology, infrastructure, personnel, space, and other resources are in place to ensure successful program implementation.

Prerequisite Courses

Course	Semester Hours
English Composition	6
Biology with Lab (<i>General and Human</i>)	8
Microbiology with Lab	3
Chemistry with Lab (<i>General</i>)	8
Chemistry with Lab (<i>Organic</i>)	8
Calculus	3
Probability and Statistics.	3
Physics with Lab.	3
Economics (<i>Macro, Micro or General</i>)	3
Mathematics or Computer Science.	3
Introduction to Psychology	3
Introduction to Sociology.	3
Introduction to History and Political Science.	3
Humanities Elective.	3
Social Sciences Elective.	3
Behavioral Sciences Elective.	3

Statistics for 2009 Entering Class Acceptees

Number interviewed:	440
Number accepted:	377
Estimated entering class size:	250
Estimated male (%):	45%
Estimated female (%):	55%
Estimated out-of-state (%):	75%

Application Process and Requirements

Participates in PharmCAS: *Yes*
 Deadline for receipt of applications: *February 1*
 Supplemental application required: *No*
 Supplemental application fee: *Not applicable*
 Expected GPA: *Not reported*
 Minimum overall GPA considered: *2.5*
 Minimum prerequisite GPA considered: *Not reported*
 PCAT required: *No*
 Minimum PCAT scores considered: *Not applicable*
 Oldest PCAT scores considered: *Not applicable*
 Interview required: *Yes*

Curriculum

Students build their foundations for learning with study in the basic sciences of biology, chemistry and physics as well as mathematics and liberal arts. Students then progress to intensive core professional courses such as biochemistry, physiology, medicinal chemistry, pharmacology, dosage forms, and therapeutics and culminating in the final year of experiential education in area health care facilities and community pharmacies.

Admission Requirements

Applicants for admission to MCPHS School of Pharmacy/Worcester must have completed or be in the process of completing, prerequisite coursework from a regionally accredited college or university as outlined below. If an applicant has completed coursework at a foreign college or university, the student must submit evidence of U.S. course/degree equivalency.

Other Programs

Nursing

Designed specifically for students with a bachelor's degree in another field, this accelerated 16-month program of study provides

a fast-track option for students ready for a challenging transition to a career as a BSN registered nurse. Building on previous learning and experience gained from the student's first bachelor degree, the 16-month program of study mirrors the Boston-based program's professional major, guiding students toward gaining the knowledge, skills, competencies and values required to practice as a registered nurse in the 21st Century. Program instruction is conducted in new state of the art facilities at the MCPHS Worcester campus with clinical experiences in selected hospital and community agencies in the Greater Worcester and metro-West region.

Physician Assistant Studies (Manchester/Worcester)

Massachusetts College of Pharmacy and Health Sciences Physician Assistant programs are dedicated to the education of clinically competent medical professionals thoroughly prepared to deliver quality patient care in the context of a dynamic health care delivery system. Both programs are accredited by the ARC-PA and graduates are eligible to sit for the Physician Assistant National Certifying Examination required by most states for licensure or registration.

For Further Information

Massachusetts College of Pharmacy and Health Sciences
 Office of Admission
 19 Foster Street
 Worcester, MA 01608
 508-890-8855 Ext. 1907
 800-225-5506 Ext. 1907
 Fax: 508-890-7987
 www.mcphs.edu

Northeastern University

School of Pharmacy, Bouvé
College of Health Sciences



Accreditation Status: *Full*

Type of Institution: *Private*

Main Campus: *Boston, MA*

Branch Campus(es): *None*

Satellite Program(s): *None*

General Information

Founded in 1898, Northeastern University distinguishes itself as a private research university that is student centered, practice oriented and urban. Northeastern University has developed a national reputation as a leader in cooperative education. This educational method offers students the opportunity to gain valuable practical experience in carefully selected work environments as an essential and complementary part of their education. Cooperative experiences also allow students to earn income to offset some of their educational costs.

The Northeastern University School of Pharmacy, which is part of the Bouvé College of Health Sciences, is committed to preparing well educated pharmacists who will be able to meet society's professional, legal and ethical expectations for delivering quality pharmaceutical care in a variety of health care settings. Our graduate programs are designed to prepare scientists for exciting careers in academia, health care research, and the pharmaceutical industry.

The setting for Northeastern's dynamic learning experience is our sixty six acre campus, which the Chronicle of Higher Education has named one of the most attractive urban campuses in the world. The urban location of the Northeastern Campus ensures that there is always plenty of student housing. The resident halls on campus provide affordable, safe housing for new and continuing students.

Home to more than sixty colleges and universities, greater Boston offers an ever changing kaleidoscope of academic enrichment. Boston has an international reputation for excellence in health care and is home to three medical schools and many of the country's best hospitals, medical centers, and biotechnology companies.

Best known as the birthplace of the American Revolution, Boston attracts thousands to the

historical landmarks of its Freedom Trail including Paul Revere's House, the U.S.S. Constitution, Beacon Hill, and the Boston Common. The Museum of Fine Arts, Symphony Hall, Horticultural Hall, the Isabella Stewart Gardner Museum, and the Boston Public Library are also within walking distance of our campus.

Mission/Vision

Northeastern University educates students for a life of fulfillment and accomplishment. The Bouvé College of Health Sciences is committed to excellence in education, excellence in research and scholarship, access to educational opportunity, and a strong professional orientation that includes the cooperative education model. Each of the health sciences within the College supports these aims both individually and collectively.

The mission of the Bouvé College of Health Sciences is to be a center of excellence in health professional education, research, and service. The structure of the college fosters cross disciplinary interaction among faculty and students, encourages innovation in the education of both entry level and advanced practice health professionals, and recognizes the autonomy of each profession. The College strives to educate individuals to develop skills to be effective health care providers and to instill in our graduates a commitment to life long learning. The College builds partnerships with health care delivery systems and the community in order to assure that Bouvé students and faculty have access to practice sites that prepare our graduates to meet the health care needs of our urban neighbors and society. The College provides access to health professional education for a diverse student body and strives to have a faculty that reflects varied backgrounds and a worldwide perspective. The College is committed to the generation and advancement of knowledge to improve the health and health care services of individuals and communities through basic and applied research.

The School of Pharmacy within the Bouvé College of Health Sciences is dedicated to excellence in pharmacy education, research, service and the provision of pharmaceutical care. Undergraduate and graduate programs prepare students with knowledge, skills and values for careers in pharmacy practice, toxicology, and pharmaceutical sciences, and promote intellectual growth and lifelong learning. Through the generation and dissemination of new knowledge in research, and through community and professional service, the School improves the health related quality of life for society.

Curriculum

The Northeastern University School of Pharmacy offers a six year program of study leading to the Doctor of Pharmacy (Pharm.D.) degree. Students begin their education completing two years of preprofessional courses that include English, mathematics, and biomedical sciences. Years 3-6 (the professional curriculum) are comprised of courses and experiences that emphasize critical thinking, problem solving, and active learning in building knowledge and skills in the pharmaceutical and clinical sciences.

Unique to Northeastern University is the utilization of cooperative (Co-op) education to deliver introductory pharmacy practice experiences. Such experiences are carefully selected to ensure that practice based competencies are achieved during nearly one year of cooperative education. Co-ops are paid experiences that are interspersed with classroom instruction to maximize their relevance. Students do not pay tuition during Co-ops.

Students complete 36 weeks of advanced pharmacy practice experience during the final year of the program. Required experiences include acute care (general medicine or hospital based specialty practice), ambulatory care, community practice and health system pharmacy. Elective experiences are based on

Prerequisite Courses

Course	Semester Hours
English	4
Mathematics	4
Science	4
Foreign Language, history, social sciences	6

Statistics for 2009 Entering Class Acceptees

Number interviewed:	NA
Number accepted:	515
Estimated entering class size:	171
Estimated male (%):	35%
Estimated female (%):	65%
Estimated out-of-state (%):	72%

Application Process and Requirements

Participates in PharmCAS: *No*
 Deadline for receipt of applications: *January 15*
 Supplemental application required: *No*
 Supplemental application fee: *Not applicable*
 Expected GPA: *3.0*
 Minimum overall GPA considered: *3.0*
 Minimum prerequisite GPA considered: *3.0*
 PCAT required: *No*
 Minimum PCAT scores considered: *Not applicable*
 Oldest PCAT scores considered: *Not applicable*
 Interview required: *No**

*Interview is not required for incoming freshmen; however, accepted students will be required to pass an interview during their second year of the program in order to proceed into their first professional year (year 3 of Northeastern's program).

personal preference and students have more than 40 types of experiences from which to choose.

Upon completion of both didactic and experiential education all graduates are prepared to take the national licensing exam in pharmacy and practice in a wide variety of pharmacy settings. The Pharm.D. curriculum prepares pharmacists who can assume responsibility for the care of patients and assure the rational use of drug therapy. Many graduates continue with post doctoral training through residencies or fellowships to develop additional practice and research skills leading to careers in academia, specialized clinical practice, or pharmaceutical industry.

Admission Requirements

Students are accepted into the School of Pharmacy at the pre professional (freshman) level. For admission information, visit the Office of Admissions at <http://www.neu.edu/admissions/index.html>. The successful high school applicant will have completed college preparatory courses in English, math, natural sciences (with labs) and social sciences. Scores from scholastic aptitude tests such as SAT or ACT will be evaluated. The Pharmacy College Admission Test (PCAT) is not required for admission. Students are

encouraged to apply for admission during the summer preceding or early fall of their senior year of high school. All freshman applications must be received by January 15th. Freshman students must begin their studies in the fall.

For Further Information

Northeastern University School of Pharmacy
 Bouvé College of Health Sciences
 360 Huntington Avenue
 Boston, MA 02115
 617-373-2200 (Office of Admissions)
www.northeastern.edu/bouve/pharmacy

Ferris State University

College of Pharmacy



Accreditation Status: Full
Type of Institution: Public
Main Campus: Big Rapids, MI
Branch Campus(es): Grand Rapids, MI; Kalamazoo, MI
Satellite Program(s): None

General Information

In 1893, less than a decade after the establishment of Ferris State University, the first pharmacy students were enrolled to prepare for the Michigan Board of Pharmacy examinations and subsequently to become registered as licensed pharmacists. Through the succeeding years, this early preparatory course has gradually evolved into the modern curriculums leading to the doctor of pharmacy (Pharm.D.) degree.

Graduates of the Ferris State University College of Pharmacy are qualified to provide patient centered care in a broad range of practice settings. The contemporary curriculum emphasizes both professional and practical aspects of practice, enabling graduates to meet the present and evolving demands of the profession. The curriculum emphasizes development of students as independent learners and innovative practitioners and provides rewarding and varied opportunities in didactic and clinical education.

Ferris State University provides many opportunities for student enrichment and engagement in co curricular activities including a wide ranging intramural and club sports program, music, art, fraternities, sororities, academic organizations, and theater.

University-provided accommodations include 4,200 single and 376 family units available on campus. Ample housing options within the Big Rapids community complement on campus facilities. In addition, Central Michigan's bounty of outdoor activities surrounds the campus providing students with unparalleled recreational opportunities.

Mission/Vision

The College of Pharmacy fosters the development of its students, faculty and pharmacists into practitioners who positively influence

the health outcomes of the peoples of Michigan, the Great Lakes region, the nation and the global community.

In achieving its mission, the College of Pharmacy is guided by the Vision and Core Values of Ferris State University and is committed to:

- Providing the highest quality pharmacy professional education to students and practitioners;
- Promoting the delivery of patient centered care by pharmacists that are committed to the safe and appropriate use of medications;
- Developing and maintaining relationships with alumni, professional associations and the health care industry which advance the goals and objectives of the college and the profession;
- The personal and professional development of each faculty member to meet the pedagogical, scholarly and service demands of a dynamic curriculum and profession;
- And, the creation of a professional community that embodies the principles of ethics, fairness, honesty, civility and respect for peoples' diversity in ideas, beliefs and cultures.

Adopted March 2009

Curriculum

The recently revised curriculum consists of a minimum of two year of pre pharmacy coursework. Students may then enter the four year professional curriculum with the first two years emphasizing the pharmaceutical sciences through a series of innovative courses including Drug Delivery, the Pathophysiologic Basis for Therapeutics, Medical Biochemistry, Molecular Biology and Biotechnology, Drug Action, Pharmacokinetics, and Infectious Diseases as well as introductory pharmacy practice experiences.

Students in the first two years of the curriculum are located on the University's main campus in Big Rapids, Michigan.

The third year of the professional program is located off campus at the College's instructional site in Grand Rapids, Michigan. Pharmacotherapeutics is emphasized in the third year of the program along with Drug Literature Evaluation, Sociopharmacy, Ethics, Pharmacoeconomics and Pharmacy Law. Introductory Pharmacy Practice experiences continue in the third year with longitudinal patient experiences throughout the year.

The fourth professional year consists of nine, one month clerkships located at clinical practice sites throughout the state and primarily precepted by the College's Pharmacy Practice faculty. The program provides students with an outstanding scientific and clinical foundation for practice or continued studies.

Admission Requirements

Admission to the Doctor of Pharmacy program is very competitive. The College considers several key factors, critical for student's success, in the admission process. Elements evaluated include grade point averages achieved in the pre pharmacy required courses biology, chemistry, and mathematics as well as performance on the Pharmacy College Admission Test (PCAT). Specific supplemental information and the results of a personal interview are also significant factors in the admission decisions.

Minimum entrance requirements are a cumulative GPA equal to or greater than 2.5 with no grades below a "C" in the required courses and submission of an official PCAT transcript by the Psychological Corporation, with a minimum of a 50 percentile composite score required. In addition, repeating of courses may reduce a student's admission ranking.

Prerequisite Courses

Course	Semester Hours
General Biology	8
Anatomy and Physiology	7
Microbiology (200 Level)	3
General Chemistry	8
Organic Chemistry	8
Calculus for the Life Sciences or Calculus	3
English Composition	6
Interpersonal Communication or Principles of Public Speaking	3
Introduction to Psychology or Introductory Sociology	3
Principles of Economics (Macroeconomics)	3
Cultural Enrichment (e.g., Humanities; one course must be at the 200+ level)	9

Statistics for 2009 Entering Class Acceptees

Number interviewed:	269
Number accepted:	150
Estimated entering class size:	150
Estimated male (%):	46%
Estimated female (%):	54%
Estimated out-of-state (%):	9%

Application Process and Requirements

Participates in PharmCAS: No
Deadline for receipt of applications: December 15
Supplemental application required: No
Supplemental application fee: Not applicable
Expected GPA: 3.0
Minimum overall GPA considered: 2.5
Minimum prerequisite GPA considered: 2.5
PCAT required: Yes
Minimum PCAT scores considered: 50th percentile
Oldest PCAT scores considered: 3 years
Interview required: Yes

For the student making normal progress (second semester, sophomore year), it is recommended that the PCAT be taken during October of the year prior to application. Results of the January PCAT exam cannot be used for admission in the same fall.

University and College applications for admission can be obtained from the following website: www.ferris.edu/admissions/application/.

Transcripts are to be submitted to the College of Pharmacy, Ferris State University, 220 Ferris Drive, Big Rapids, MI 49307 after the completion of at least three semesters or four quarters of college work. It is expected that candidates will have completed all first year courses and at least the first semester of courses normally taken the second year, primarily Organic Chemistry 1, Calculus, and Anatomy/Physiology. Advanced Placement (AP) credits in science and math courses cannot be applied towards meeting the admissions requirements for the College of Pharmacy. All submissions should be received prior to January 15 of the year the student wishes to enter the College.

Successful applicants are notified of their conditional acceptance usually by the College by mid April. Confirmation of conditional acceptance requires the deposit of an admissions fee of \$500 that will be applied toward tuition. The admissions fee becomes nonrefundable after July 15 barring extenuating circumstances. Final acceptance is contingent upon receipt of transcripts verifying successful completion of all pre pharmacy requirements.

The pre pharmacy curriculum may be completed at Ferris State University or at another accredited college or university in the U.S. or Canada. Successful completion of the pre pharmacy curriculum at Ferris or any other college or university does not guarantee admission to the College of Pharmacy.

It is the student's responsibility to ensure that courses taken at another university are equivalent to those taken at Ferris. Transfer guides are available on our website for most Michigan colleges and universities.

For Further Information

Admissions:
 Tara Lee, B.S.
 Administrative Specialist-Admissions
 College of Pharmacy
 Ferris State University
 220 Ferris Drive
 Big Rapids, MI 49307-2740
 616-592-3780
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University of Michigan

College of Pharmacy

Accreditation Status: *Full*

Type of Institution: *Public*

Main Campus: *Ann Arbor, MI*

Branch Campus(es): *None*

Satellite Program(s): *None*



General Information

As one of the America's top ranked Doctor of Pharmacy (Pharm.D.) programs, the University of Michigan College of Pharmacy provides a pharmacy education unsurpassed in breadth and depth. We offer more than 640 clerkship experiences, including a vast selection of centers, clinics, and other medical units affiliated with University of Michigan Hospitals and Health System, one of the nation's premier health systems.

The College traces its history to 1868 when pharmacy was first taught as a distinct academic discipline. A school of pharmacy was established 1876 with the distinction of being the first such unit within a state university. The title of the School was later changed to the College of Pharmacy.

To maximize individualized learning, the College limits Pharm.D. class size to about 80 students per year. (Our Ph.D. enrollment ranges between 80 and 100 students.) Small class size creates a small college atmosphere with ready access to the rich social life, resources, and facilities that only a major university can offer. Small class size also creates more quality opportunities to sharpen clinical, leadership, critical thinking, communication, teamwork, and other high demand career skills.

Each year, our college awards more than \$1 million in scholarships: the most generous of any Pharm.D. program in the country.

Pharm.D. students live in residence halls, fraternity and sorority houses, and private and cooperative residences. Information concerning student housing may be obtained from the Housing Information Office, 1011 Student Activities Building, the University of Michigan, Ann Arbor, MI 48109 1316.

Mission/Vision

The mission of the UM College of Pharmacy is to prepare pharmacists and pharmaceutical scientists to become leaders in health care and scholarship. We achieve this by providing a quality education emphasizing critical thinking, problem solving, and continual striving for excellence in teaching, learning, service and research. These activities are directed toward enhancing the health and quality of life of the people of the State of Michigan, and beyond.

Specifically, the UM College of Pharmacy strives to: (a) Educate Pharm.D. students to become compassionate, innovative, adaptable leaders and providers of pharmaceutical care; (b) Train progressive thinkers who are committed to lifelong learning and professional achievement; (c) Provide graduate programs that enable Ph.D. students to acquire the knowledge and skills necessary to conduct the high level scientific research expected of leaders in drug discovery and development; (d) Recruit and develop dedicated, scholarly teachers who inspire their students to become thought leaders in health sciences and good citizens in the service of improved human health; (e) Design, implement, conduct and evaluate research related to drugs, patients, or health care systems that result in improved drug products, delivery systems, and services; and (f) Maintain a culturally and socially diverse academic community consistent with the changing needs of society.

Curriculum

The program of study after admission to the College takes four years to complete. Students study pharmaceutical, biomedical and clinical sciences, research methodology, statistics and communication skills. Students also complete a research project. Throughout the four years of the program students are involved in patient care related activities with the final year being almost entirely devoted to full time advanced pharmacy practices expe-

riences in a wide variety of practice settings (e.g., community pharmacies, ambulatory care clinics, pharmaceutical companies and within governmental service).

Some examples of advanced pharmacy practice experiences include: community and hospital pharmacy practice, pharmaceutical and biotechnology industry, adult internal medicine, pediatric medicine, gerontology, pharmacy administration, nuclear pharmacy, home health care, drug information services, clinical pharmacokinetics, parenteral and enteral nutrition, and the Food and Drug Administration.

Admission Requirements

The University of Michigan is an equal opportunity, nondiscriminatory institution. Students are admitted to the Pharm.D. program after completing at least 80 semester hours of pre professional study in a non pharmacy college. At least one year of prepharmacy study must be completed at an accredited U.S. or Canadian college or university. Although these are the minimum requirements for admission, approximately 70% of applicants have earned a B.S. or B.A. degree prior to matriculation into the program. Application to the Pharm.D. program is made through PharmCAS and a supplemental application, available on the College website.

Admission is based upon multiple criteria. Although an emphasis is placed on overall college GPA (specifically, grades earned in mathematics and the physical and biological sciences) and PCAT scores, many other factors are considered, such as: the required personal statement; previous health care patient experience; the academic strength of institutions attended; life and work experiences; a desire to make a difference in the lives of others; letters of recommendation; and interviews.

All speakers of English as a second language must also demonstrate proficiency in both

Prerequisite Courses

Course	Semester Hours
General Biology with Lab	8-10
Biochemistry	3-4
Medical microbiology with Lab	4
Genetics	3-4
Human anatomy or Anatomy & Physiology	4-8
General Chemistry with Lab (<i>qualitative</i>)	8-10
Organic Chemistry with Lab	8-10
General Physics with Lab	8-10
Calculus	4
Statistics	3-4
English composition	3-4
Humanities or a foreign language	8
Social Sciences	8

Statistics for 2009 Entering Class Acceptees

Number interviewed:	150
Number accepted:	131
Estimated entering class size: . . . . .	.81
Estimated male (%):	36%
Estimated female (%):	64%
Estimated out-of-state (%):	42%

Application Process and Requirements

Participates in PharmCAS: Yes
 Deadline for receipt of applications: December 1
 Supplemental application required: Yes
 Supplemental application fee: \$50
 Expected GPA: 3.4
 Minimum overall GPA considered: 2.8
 Minimum prerequisite GPA considered: 2.8
 PCAT required: Yes
 Minimum PCAT scores considered: 50th percentile
 Oldest PCAT scores considered: 2 years
 Interview required: Yes

spoken and written English. Minimum TOEFL/TSE and MELAB/Oral Exam score requirements are available from the College.

Other Programs

Bachelor of Science in Pharmaceutical Sciences (B.S.)

The four-year B.S. in Pharmaceutical Sciences program prepares students for technical positions in the pharmacy production, control, and development sectors of the pharmaceutical industry or for graduate studies in pharmaceutics, medicinal chemistry/ pharmacognosy, or analytical chemistry. Graduates of this program are not eligible for licensure as pharmacists.

Medicinal Chemistry (Ph.D.)

The Ph.D. program in medicinal chemistry at the University of Michigan educates students in a broad range of chemically based disciplines so that its graduates are able to apply the rigor and methods of the physical sciences to research at the frontier of modern biomedical science. We are proud of the history of medicinal chemistry and the long tradition of interdisciplinary research at Michigan. Michigan has established four tracks (i.e., Biochemical, Biophysics, Cheminformatics and Organic tracks) to the Ph.D. in Medicinal Chemistry. The curricula of

the four tracks all contain a common core of courses that are fundamental to Medicinal, while also allowing students to specialize in their area of interest.

Pharmaceutical Sciences (Ph.D.)

Pharmaceutical Sciences is an interdisciplinary science concerned with the development of drugs and drug delivery systems. At the University of Michigan, College of Pharmacy, Pharmaceutical Sciences graduate program integrates concepts from fields as diverse as biology, chemistry, cell and molecular biology, chemical engineering, materials science, pharmaceutics, pharmacology and physiology. Specifically, students specialize in pharmaceutics, cellular and molecular biology, chemistry, and chemical engineering furthering our understanding of: (a) characterization of membrane transporters and how they relate to drug design, delivery, and targeting; (b) chemical and physical integrity of drugs and dosage forms; (c) pharmacokinetics and pharmacodynamics of drugs; (d) mechanisms of how drugs cross membranes and barriers; (e) targeted and controlled release of drugs; (f) targeted gene delivery; (g) quantitative relationships between chemical (e.g., stability) and physical (e.g., solubility) behaviors of drugs and their chemical structures; and (h) methods of monitoring drugs and controlling levels of drugs in the body,

including the development of biosensors.

Clinical, Social, and Administrative Sciences (Ph.D.)

The graduate program in Social and Administrative Sciences is offered by the Department of Clinical, Social and Administrative Sciences. The program focuses on assessing and improving the quality of medication use and pharmacy practice. The program helps students develop strong methodological skills and understand the larger health care environment they will enter when they graduate. This is achieved through academic course work and research at the predissertation and dissertation level, which may focus on different health care environments.

For Further Information

Rosemary J. Laczko
 Student Services Associate
 College of Pharmacy
 University of Michigan
 428 Church Street
 Ann Arbor, MI 48109-1065
 734-764-7312
mich.pharm.admissions@umich.edu
<http://pharmacy.umich.edu/pharmacy/home>

Wayne State University

Eugene Applebaum College of Pharmacy and Health Sciences

Accreditation Status: *Full*
Type of Institution: *Public*
Main Campus: *Detroit, MI*
Branch Campus(es): *None*
Satellite Program(s): *None*

WAYNE STATE
UNIVERSITY

General Information

Wayne State University is a comprehensive state funded university with 13 colleges and schools, offering more than 350 academic programs, including 126 bachelor's degree programs, 139 master's degree programs and 60 doctoral degree programs. In fall 2009, almost 32,000 students attended Wayne State University; the third largest university enrollment in Michigan. WSU is one of only 13 public universities in the country, with pharmacy schools, that are classified by the Carnegie Foundation as having very high research activity and receiving their designation for Curricular Engagement and Outreach and Partnerships.

The Eugene Applebaum College of Pharmacy and Health Sciences (EACPHS) is located in the midst of the DMC's seven modern hospitals and over 100 outpatient clinics. In 2010, the Pharm.D. program received full accreditation and received commendations in many areas including our commitment to continuous quality improvement. The University boasts a high concentration of health professionals, including the faculty and students of the Wayne State University School of Medicine, one of the nation's largest medical schools. It is one of the Midwest's leading centers for healthcare, research and education.

WSU has very active pharmacy organizations that providing students a rich professional experience while at WSU. These organizations provide many health care programs and services to the university and surrounding community. This includes immunization of employees of Wayne State University. The Pharmacy Student Advisory Council provides for a student voice in administrative decisions concerning the Pharm.D. program. Our program is dedicated to providing community service learning experiences for our students. We provide our students with opportunities to attend and participate in local, state and national organizations and meetings.

WSU has a strong commitment to assessment and quality improvement and routinely uses stakeholder input (including students) to improve overall program quality.

The Pharmacy Faculty has developed a contemporary curriculum for the Pharm.D. program that allows interaction with patients and healthcare professionals throughout the four year program. The program has a strong active learning focus and has required student problem based learning experiences in each year of the program. Our program experience allows for greater contact time with faculty in smaller groups which begin in the first professional year. This increases the exposure of students to our faculty and enhances the student faculty relationship.

Mission/Vision

The mission of the Pharm.D. program is to prepare students for entry into the pharmacy profession in an environment that supports and inspires critical thinking life long learning, leadership and professionalism. The goal of the Pharm.D. program is to educate students to become valued providers of health care using evidenced based practice to ensure optimal health of the patient and of the public while providing leadership in advancing pharmacy practice and health policy.

The practice of pharmacy has experienced profound change during the past three decades as its traditional role in drug distribution has increasingly expanded to incorporate the concept of pharmaceutical care. This philosophy of pharmaceutical care charges pharmacists with the responsibility for providing drug therapy that achieves defined outcomes and improves a patient's quality of life. Pharmacists are expected to interact with patients and other health care providers to assure that the drug therapy prescribed is appropriate and is being taken in a way that assures achieving the desired outcomes.

The ability of pharmacists to play an active role in drug therapy is being recognized at the state and national levels. In Michigan pharmacists are allowed to prescribe under delegated authority of a licensed practitioner. Examples of services provided by pharmacists include: disease state screening (examples are: blood pressure monitoring for hypertension, glucose monitoring for diabetes, cholesterol monitoring, bone densitometry for osteoporosis), monitoring and adjusting anticoagulation therapy, monitoring and adjusting antibiotic therapy.

A major impetus for these changes is a result of the realization of the added value of pharmacists input into therapeutic decision making in manner that can result in cost reduction through prevention of problems arising from adverse drug experiences, drug drug and drug food interactions, errors in prescribing or administering medications, and patient noncompliance.

Curriculum

The professional program is designed and implemented by the Departments of Pharmacy Practice and Pharmaceutical Sciences to educate and prepare students for the evolving demands of the profession. The curriculum is driven by the following principles:

1. Students will be exposed to practice experiences, which are based upon the provision of pharmaceutical care that begins upon entry into the curriculum and continues throughout the four years of the curriculum.
2. Pharmaceutical sciences and clinical sciences will be integrated throughout the curriculum with the goal of instilling upon our graduates the need for the continuation of basic science knowledge throughout their careers.
3. Faculty will endeavor to deliver the curriculum to students utilizing the most effective means possible and will strive to incorporate new, effective approaches to teaching and learning.

Prerequisite Courses

Course

BIO 1510 Basic Life Mechanism
BIO 2200 Introduction to Microbiology
BIO 2870 Anatomy and Physiology
BIO 3200 Human Physiology
CHM 1220 & 1230 Chemical Structures & Bonds
CHM 1240 & 1250 General/Organic Chemistry
CHM 2220 & 2230 Organic Chemistry
MAT 2010 Calculus I
PHY 2130 & 2131 General Physics I

Statistics for 2010 Entering Class Acceptees

Number interviewed: 140
Number accepted: 120
Estimated entering class size: 90
Estimated male (%): 30%
Estimated female (%): 70%
Estimated out-of-state (%): 10%

Application Process and Requirements

Participates in PharmCAS: Yes
Deadline for receipt of applications: December 1
Supplemental application required: No
Supplemental application fee: Not applicable
Expected GPA: 3.5
Minimum overall GPA considered: 3.0
Minimum prerequisite GPA considered: 3.0
PCAT required: Yes
Minimum PCAT scores considered: 50th percentile
Oldest PCAT scores considered: 3 years
Interview required: Yes

- The curriculum will be “patient focused” that trains students to be a primary care provider. This will involve teaching students patient assessment and advanced oral and written communications skills.
- Advanced practice experiences will be integrated into institutions and organizations that provide pharmaceutical care. Student experiences will be maximized at an organization such that they can deliver pharmaceutical care and begin to evaluate the outcomes of pharmaceutical care at that institution. These experiences will be reflective of practice environments entered after graduation.

Admission Requirements

NOTE: Applications to the pre-pharmacy curriculum should be directed to Undergraduate Admissions, Wayne State University, Detroit, MI 48202.

To be considered for admissions to the EACPHS Pharm.D. program, applicants must satisfy WSU admission requirements and present evidence of professional admissibility and promise of academic and professional competency. The application deadline for admission to the Doctor of Pharmacy program is December 1. WSU grants fall

semester admission only. The Pharmacy College Admission Test (PCAT) is required of all applicants for admission.

Applicants for admission to the WSU Pharm.D. program will be evaluated using both academic and non-academic criteria. An onsite interview is required. The applicant's pre-pharmacy academic record and PCAT scores are factors of high importance. Other factors include communication skills, extracurricular activities, work experience. Admission is competitive and completion of admission requirements does not guarantee admission.

Transcripts are evaluated for continued success in a full time science based curriculum. An undergraduate and prerequisite GPA of 3.0 (4.0 systems) is required to be considered for admission. All pre-requisite courses must be completed with a minimum grade of “C” (2.0). Science and math prerequisites must be complete by May 10. All other requirements must be complete by August 10.

Because of rapid changes in technology, pre-requisite science courses must be completed within five years before admission to the Doctor of Pharmacy program. Applicants selected after an initial screening will be invited to campus for a required interview. Students are

admitted once a year for an entering class that begins in the fall term. Upon acceptance into the Pharm.D. program, students are required to submit a non-refundable \$1,000.00 deposit that will be credited to their tuition.

Other Programs

Doctor of Philosophy (Ph.D.) in Pharmaceutical Sciences
Graduates with a Ph.D. in Pharmaceutical Sciences develop new compounds for the diagnosis and treatment of disease and characterize factors that determine drug input, distribution, elimination and effects of drugs in animals and man.

For Further Information

Office of Student and Alumni Affairs
Eugene Applebaum College of Pharmacy and Health Sciences
259 Mack Ave
Suite 1600
Detroit, MI 48201
313-577-1716
cphsinfo@wayne.edu
www.cphs.wayne.edu

University of Minnesota

College of Pharmacy

Accreditation Status: *Full*

Type of Institution: *Public*

Main Campus: *Minneapolis, MN*

Branch Campus(es): *Duluth, MN*

Satellite Program(s): *None*



UNIVERSITY OF MINNESOTA

College of Pharmacy

General Information

The College of Pharmacy educates pharmacists and scientists and engages in research and practice to improve the health of the people of Minnesota and society. It is recognized as one of the outstanding pharmacy education and research institutions in the world, and is ranked third by U.S. News among the colleges of pharmacy in the United States. Graduates of the College's four year entry level doctor of pharmacy (Pharm.D.) program enter the profession as well qualified, highly sought after pharmacists.

The College's programs, offered on two campuses, are supported by centers of excellence in diverse areas of pharmacy, such as pharmaceuticals, drug delivery, drug design, medicinal chemistry, geriatrics, pharmacy management and economics, and rural pharmacy. The College's full time faculty members and hundreds of volunteer faculty are organized in five departments: medicinal chemistry, pharmaceuticals, pharmaceutical care and health systems, experimental and clinical pharmacology, and pharmacy practice and pharmaceutical sciences (Duluth).

The University of Minnesota Twin Cities is located in the beautiful and vital cities of Minneapolis and St. Paul with easy access to a wide range of social, cultural, recreational, and athletic activities. The TC College is housed in the University of Minnesota Academic Health Center, a complex designed specifically for health education, research, and practice. Pharmacy students have access to modern classrooms, laboratories, and more than 350,000 volumes of pharmacy resource materials.

The University of Minnesota Duluth is located at the western end of the largest freshwater lake in the world, Lake Superior. The campus consists of 244 acres overlooking a scenic view of the lake. The area offers a great number of social, cultural, athletic, and recreational opportunities. The College opened

its Duluth program in 2003, admitting the first class of 50 students, and graduated its first combined Twin Cities Duluth class in May 2007. There are about 200 students at the College of Pharmacy, Duluth. Like their Twin Cities colleagues, Duluth students have access to volumes of research and educational material.

Pharmacy students find opportunities for valuable experience and personal growth through participation in activities outside the classroom. Students are encouraged to take an active part in a variety of pharmacy organizations including College Board, Kappa Epsilon, Kappa Psi, Phi Delta Chi, Rho Chi, Phi Lambda Sigma, the Academy of Students of Pharmacy, and the Minnesota Pharmacy Student Alliance.

Mission/Vision

The College of Pharmacy inspires and educates current and future pharmacists and scientists, engages in cutting edge research and leads practice development to improve the health of the people of Minnesota and the world.

Curriculum

The mission of the professional program is to educate pharmacists with superior knowledge and skills to provide pharmaceutical care. The courses in the College of Pharmacy encompass several major areas: Medicinal chemistry (biochemistry of medicinals, medicinal agents, biotechnology, and microbiology/immunology) and pharmacology courses focus on understanding the actions and therapeutic uses of various types of medications that affect organ systems, immune functions, and infections. Pharmaceuticals courses (drug delivery, pharmacokinetics, and biopharmaceuticals) concentrate on principles involved in drug dosage formulations, dosage form design, and how drugs are absorbed, distributed and eliminated from the body. The pharmacotherapy sequence applies

this basic information to the patient by focusing on the nature and cause of various disease states and the treatment of these disorders. The pharmaceutical care sequence examines the various roles of the pharmacist within the health care system and teaches a model of pharmacy practice. Pharmacy administration and economics courses develop an understanding of the influence of the external environment on the practice of pharmacy and present principles of management essential in maintaining a viable practice.

The first three years of the curriculum provide early practice experiences and the fundamental components of pharmacy education needed to practice in a variety of pharmacy settings. Beginning in the second year, students take electives that give them the opportunity to explore and develop expertise in specific areas of pharmacy, including research. During the fourth year of the curriculum, students complete nine advanced pharmacy practice experiences, including general patient care, population-specific patient care, and community and institutional practice.

Admission Requirements

Candidates must have a minimum GPA of 3.00 on a 4.00 scale, or 3.20 over the last 60 semester credits, to qualify for admission. The required prepharmacy courses may be taken at any accredited U.S. college. Post-secondary courses taken outside the U.S. or Canada must be evaluated by an accredited U.S. evaluation service. Pre-pharmacy courses must be taken 'A-F' and completed with a grade of 'C' or better. Prior to matriculation, 48 semester hour credits of college are to be completed.

Application materials are available from PharmCAS at www.pharmcas.org. Once an applicant has successfully completed the PharmCAS application, he/she will receive a supplemental application from the College. The applicants ranking highest according

Prerequisite Courses

Course	Semester Hours
General Biology	3
Microbiology	3
Advanced Biology	3
Human Anatomy	3
Human Physiology	3
Calculus	3
Statistics	3
General Chemistry (<i>full year sequence</i>)	6
Organic Chemistry (<i>full year sequence</i>)	6
Physics (<i>Calculus-based</i>)	3
Social and Behavioral Sciences (<i>two courses</i>)	6
English Composition (<i>one advanced level course</i>)	3
Ethics or Philosophy	3
Public Speaking or Interpersonal Communication	3

Statistics for 2009 Entering Class Acceptees

Number interviewed:	358
Number accepted:	238
Estimated entering class size:	165
Estimated male (%):	36%
Estimated female (%):	64%
Estimated out-of-state (%):	30%

Application Process and Requirements

Participates in PharmCAS: Yes
 Deadline for receipt of applications: February 1
 Supplemental application required: Yes
 Supplemental application fee: \$75
 Expected GPA: 3.5
 Minimum overall GPA considered: 3.0
 Minimum prerequisite GPA considered: *Not reported*
 PCAT required: Yes
 Minimum PCAT scores considered: *No minimum*
 Oldest PCAT scores considered: *No limit*
 Interview required: Yes

to the admissions criteria are invited to interview with the faculty. Applications are reviewed on a rolling basis. Students are admitted to the College fall semester only. Applicants complete one application for entry into either the Twin Cities or Duluth campus. Campus choice should be indicated on the application.

The TOEFL is required of all international applicants whose native language is not English, except those who will have completed 16 semester credits (within the past 24 months) in residence as a full-time student at a recognized institution of higher learning in the United States before entering the University of Minnesota College of Pharmacy.

For Further Information

Office of Student Services and Admissions
 612-624-9490-Twin Cities
 218-726-6000-Duluth
 www.pharmacy.umn.edu

The University of Mississippi School of Pharmacy

Accreditation Status: *Full*
Type of Institution: *Public*
Main Campus: *University, MS*
Branch Campus(es): *None*
Satellite Program(s): *None*



General Information

The School of Pharmacy, founded in 1908 at The University of Mississippi, is recognized as one of the premier schools of pharmacy in the U.S. The School is the site of the Thad Cochran National Center for Natural Product Research. In addition to a student health center pharmacy, the school was the first school of pharmacy to establish an ambulatory pharmaceutical care clinic affiliated with the outpatient clinics of a university medical center.

The School of Pharmacy is located on both the Oxford campus and Medical Center (Jackson) campus of the University of Mississippi. Oxford, a small town of about 20,000, is located 75 miles south of Memphis and has been designated as one of the top ten unique “college towns” in America. The School of Pharmacy has approximately 150 pre professional students, 400 professional students, and about 100 graduate students in the disciplines of Environmental Toxicology, Medicinal Chemistry, Pharmaceutics, Pharmacognosy, Pharmacology, and Pharmacy Administration. Students spend the first two years of the four year professional degree program on the Oxford campus, the third year at the University of Mississippi Medical center campus in Jackson in a new (2011) state of the art teaching/learning center, and the final year in rotations at various practice sites.

Mission/Vision

The mission of the University of Mississippi School of Pharmacy is to improve the health of our citizens and the world: by educating pharmacy practitioners, scientists and other health professionals in a variety of programs including the Bachelor of Science in Pharmaceutical Sciences, Doctor of Pharmacy, Master of Science, Doctor of Philosophy and post doctoral residencies and fellowships; by generating and disseminating new biomedical knowledge through collaborative and multidisciplinary research and scholarly

activity; by encouraging the advancement of pharmaceutical care by providing pharmacy practitioners with professional development opportunities and by conducting practice based research; and by providing service to pharmacists, other health professions and scientific disciplines, and citizens of Mississippi and the world.

Curriculum

Bachelor of Science in Pharmaceutical Sciences

This is a four year undergraduate degree that currently consists of one year of professional courses in addition to three years of pre pharmacy courses. It is not a professional degree and does not entitle one to sit for the national pharmacy board license examination. Completion of this degree is prerequisite for admission into the Doctor of Pharmacy degree program, which requires an additional three years of study. Students are admitted to the B.S. program as either university freshmen (Early Entry) or after completion of three years of required pre-pharmacy courses (Regular Entry) at this university or other college/university. Each entering professional class consists of 115 Regular Entry and Early Entry students.

Doctor of Pharmacy Degree

The current professional degree program (final year of the B.S. program plus three additional years) was approved for full reaccreditation by the Accrediting Council for Pharmaceutical Education in February 2006 for the maximum six year period and the program was referred to as excellent by the site team in their report to the school and Council. To be eligible for progression into the final two years, students must obtain a minimum GPA of 2.65 during the first professional year and a 2.75 GPA on required professional coursework in the second professional year. The third professional year course work utilizes a case based and student centered problem based learning format. Small groups of randomly assigned students coached by a

faculty facilitator develop optimal treatment plans for hypothetical patients based on actual case histories. A prescribed set of abilities are developed by this process. Students are evaluated on content knowledge, problem solving skills, and group dynamics. During the final year, each student will participate in four required five week rotations (adult medicine, ambulatory care, traditional institutional practice, and traditional community practice) and four five week elective rotations. The electives must be in three different areas of training. Students are provided the opportunity to select their rotation sites, the vast majority of which are located in Mississippi. The first time pass rate on the national board examination (NAPLEX) for program graduates during the past eight years exceeds 98% which is among the top twenty schools in the nation, while the tuition is among the lowest of all schools of pharmacy.

Admission Requirements

Early Entry (Early Assurance) Admission

The Early Entry program provides the opportunity to engage in both professional and personal relationships with School of Pharmacy faculty and upperclassmen immediately upon entering the university. Early Entry students avoid the highly competitive selection process for admission to the B.S. program following completion of the pre-pharmacy curriculum. These students also are eligible for scholarships unavailable to pre-pharmacy students. Eligibility for Early Entry admission requires a minimum composite ACT score of 25 and sufficient GPA (10-12 grades, 4.0 scale) that when multiplied by ten and added to the ACT score equals at least 65. Admission scores are calculated based on GPA, ACT, resume evaluation (leadership, service, employment history), and interview results. Applications, available online, must be made to both the university and to the school (February 1 deadline), and separate high school transcripts provided to each. A nonrefundable \$75 application fee (Cashier's check made payable to the University of Mis-

Prerequisite Courses

Course	Semester Hours
Introductory Biology with Lab (<i>majors</i>)	8
Medical Microbiology	4
Biochemistry (<i>upper division</i>)	3
Bioethics	3
Human Physiology (<i>upper division-not anatomy and physiology</i>)	4
English Composition	6
Freshmen Chemistry with Lab (<i>majors</i>)	8
Organic Chemistry with Lab	8
Physics (<i>non-calculus based</i>) with Lab	8
Oral Communications (<i>Speech</i>)	3
Calculus I	3
Microeconomics	3
Statistics for the Behavioral Sciences (<i>introductory</i>)	3
Electives: Social Sciences (<i>6 hours</i>); Humanities/Fine Arts (<i>9 hours, with a minimum of three hours of each</i>)	15
Cell Biology	4
Genetics	3
Immunology	3

Statistics for 2009 Entering Class Acceptees

Number interviewed:	170
Number accepted:	97
Estimated entering class size:	97
Estimated male (%):	31%
Estimated female (%):	69%
Estimated out-of-state (%):	16%

Application Process and Requirements

Participates in PharmCAS: Yes
 Deadline for receipt of applications: November 1
 Supplemental application required: Yes
 Supplemental application fee: \$75
 Expected GPA: 3.25
 Minimum overall GPA considered: No minimum
 Minimum prerequisite GPA considered: 2.75
 PCAT required: Yes
 Minimum PCAT scores considered: 40th percentile
 Oldest PCAT scores considered: 1 year
 Interview required: Yes

Mississippi School of Pharmacy) should be sent with a copy of the applicant's resume to the School of Pharmacy. Applicants will then be invited to attend a mandatory Applicant Day. Enrollment is limited with preference given to Mississippians for the last half of positions.

Regular Entry Admission

Regular Entry students are admitted to the school after completion of a prescribed set of required pre-professional courses plus electives. These courses are traditionally completed in three years, but often are taken as a part of completion of a non-pharmacy undergraduate degree. Minimal requirements for Regular Entry admission include a 2.75 GPA on required pre-pharmacy courses with a grade of at least a C in each. A minimum composite percentile score of 40 and a Conventions of Language score of 3.0 on the Pharmacy College Admission Test taken during the twelve months preceding the application deadline is also required. Students are admitted on the basis of a composite admission score incorporating GPA, composite PCAT score, resume evaluation (leadership, service, and employment history), interview and performance on the Health Sciences Reasoning Test. Mississippi residents and U.S. citizens are given priority for admission. However, non-Mississippi residents comprise

approximately twenty percent of the admitted class. Bonus points are added to the admissions score for applicants who have received a previous (Masters, Ph.D., professional doctorate) degree (0.5) or for those who completed all of their required pre-pharmacy courses at The University of Mississippi (0.4). The application deadline is November 1 and application must be made via PharmCAS. To be considered for admission, applicants must attend one of several "Applicant Day" programs. Final admission is contingent upon successful completion of a criminal background investigation conducted under the jurisdiction of the Mississippi Board of Pharmacy.

Other Programs

The University of Mississippi School Of Pharmacy offers the M.S. and Ph.D. degrees in the pharmaceutical Sciences with emphasis areas in Environmental Toxicology, Medicinal Chemistry, Pharmacognosy, Pharmacology, Pharmaceuticals, and Pharmacy Administration. Each of these programmatic areas offers multi-disciplinary opportunities to study with nationally recognized research scientists in state-of-the art laboratories. The programs prepare students for teaching and research positions in academia and research positions in the pharmaceutical, chemical, agrochemi-

cal and associated industries; government; and research institutions. The school annually ranks in the top ten pharmacy schools with respect to the amount of federal research dollars obtained by the faculty in support of their scholarly activity.

For Further Information

Associate Dean for Academic and Student Affairs
 School of Pharmacy
 University of Mississippi
 University, MS 38677
 662-915-7996
 www.pharmacy.olemiss.edu.

St. Louis College of Pharmacy

Accreditation Status: *Full*
Type of Institution: *Private*
Main Campus: *St. Louis, MO*
Branch Campus(es): *None*
Satellite Program(s): *None*



General Information

Founded in 1864, St. Louis College of Pharmacy consistently graduates one of the largest classes of new pharmacists in the nation. The College admits students directly from high school, and the six year curriculum integrates the liberal arts and sciences with a professional program leading to a Doctor of Pharmacy (Pharm.D.) degree. More than 1,200 students from 25 states are currently enrolled at the College.

The College's five acre campus is located in the city's Central West End surrounded by the nationally recognized medical community of Barnes Jewish Hospital, Washington University School of Medicine, Siteman Cancer Center, and St. Louis Children's Hospital.

Along with the area's wealth of health care resources, the St. Louis College of Pharmacy campus offers students an academically and socially enriching environment that includes:

- two academic buildings that include laboratories, classrooms, a library, administrative facilities, a 300 seat theater/auditorium, a computer classroom, and technology classrooms;
- the Cartwright Student Center, a 23,000 square foot facility located across the quadrangle from the Residence Hall, featuring student lounges, a large multi purpose room, Matthews bookstore, a student conference room, a snack bar and a fitness and recreation center;
- the Residence Hall, which provide housing accommodations for 300 students;
- Parkview Cafe, which offers students and guests breakfast, lunch, dinner and late night snack options; and
- the College's Quadrangle that students use to host events, meet, study, relax, play pick up games of frisbee and ball.

The College offers a full student life experience, including more than 40 student organizations and intercollegiate athletics. Student

athletes participate in NAIA Division II in five competitive sports: men's and women's cross country, men's and women's basketball, and women's volleyball.

Nearly three out of four practicing pharmacists in the St. Louis region are graduates of St. Louis College of Pharmacy, providing current students with local mentors. The College also offers advanced practice experiences in 14 states at more than 400 community, government, and hospital settings.

Mission/Vision

Our mission is excellence in pharmacy education, firmly grounded in and integrated with the sciences and the liberal arts. We are committed to the profession, the pharmaceutical sciences, and the advancement of pharmacy practice through an emphasis on student centered learning, scholarly activity, and service to society.

Curriculum

St. Louis College of Pharmacy is unique among colleges of pharmacy across the country because students are admitted directly from high school into a six-year Doctor of Pharmacy degree program. Because the curriculum integrates coursework in the liberal arts and professional studies with hands-on learning, College faculty teach a variety of disciplines, including the pharmaceutical sciences (pharmacology, pharmaceuticals, medicinal chemistry, and pharmacy administration), clinical sciences, liberal arts, and the basic sciences (biology, chemistry, and mathematics).

During the sixth year of the curriculum, students participate in a series of eight five-week pharmacy rotations. After finishing the rotations and receiving their Pharm.D. degree, the students apply for state licensure. About 97% of the College's graduates pass their licensure exams on their first attempt. STLCOOP alumni practice in all 50 states and 11 countries.

Admission Requirements

Admission to St. Louis College of Pharmacy is selective. An applicant must present scholastic and personal records indicating good preparation and the ability to undertake a college degree program. Among factors considered by the Admissions Committee are grade point averages, class rank, and ACT or SAT scores.

Students may apply after they have completed their junior year of high school. The early decision deadline is December 15. The regular decision deadline is February 1; applications will be considered after this date if space is available. Prior to actual enrollment, students must present evidence of satisfactory completion of a four-year course in and graduation from a high school approved by a recognized accrediting agency.

All students must have their high school transcript, including class rank sent directly to the director of admissions by their high school. High school courses should include: mathematics (4 units which include Algebra 1/2 and Geometry), English (4 units), biology/lab (1 unit), and chemistry/lab (1 unit), and one additional unit of an advanced science course. If only two units of science are completed, biology and chemistry are required. Additional units may be in the same subject areas or in others for which credit toward graduation is allowed by the secondary school.

The College requires the ACT or SAT test be completed by the high school student. A minimum ACT composite score of 23 (or SAT of 1110) with sub-scores of at least 24 in Math and 21 Science, English and Reading. Once accepted for admission, each new student must submit a health form supplied by the College for completion by the student and examining physician. This form must be filed prior to summer orientation. Students with advanced standing may apply for admission into the third year. A minimum letter grade

Prerequisite Courses

Course	Units
Biology with Lab	1
Chemistry with Lab	1
Algebra 1	1
Algebra 2	1
Geometry	1
English	4
Additional math (<i>pre-calculus or calculus suggested</i>)	1
Upper level science course	1

Statistics for 2009 Entering Class Acceptees

Number interviewed	Not Reported
Number accepted	295
Estimated entering class size	245
Estimated male (%)	44%
Estimated female (%)	56%
Estimated out-of-state (%)	58%

Application Process and Requirements

Participates in PharmCAS: Yes
 Deadline for receipt of applications: February 1
 Supplemental application required: No
 Supplemental application fee: Not applicable
 Expected GPA: 3.2
 Minimum overall GPA considered: 3.0
 Minimum prerequisite GPA considered: 3.0
 PCAT required: Yes
 Minimum PCAT scores considered: 70th percentile
 Oldest PCAT scores considered: 5 years
 Interview required: Yes

of “C” is required in all courses completed in order to be considered for admission. No transfer credit is issued for courses with a grade of less than C. The Pharmacy College Admissions Test (PCAT) is required for all transfer applicants. Application for admission with advanced standing must be made through the pharmacy admission site, PharmCAS, at www.pharmacas.org. Paper applications will no longer be accepted. Please refer to this Web site for details on the transfer process. The College grants advanced standing in the form of credit hours to students who demonstrate proficiency on selected (non-science) advanced placement tests or college level subject examinations of the College Entrance Examination Board.

For Further Information

Penny Myers Bryant
 Director of Admissions & Registrar
 St. Louis College of Pharmacy
 4588 Parkview Place
 St. Louis, MO 63110-1088
 314-446-8313 or 800-2-STLCOP Ext. 8313
 pbryant@stlcop.edu
 www.stlcop.edu

University of Missouri–Kansas City

School of Pharmacy

Accreditation Status: *Full*

Type of Institution: *Public*

Main Campus: *Kansas City, MO*

Branch Campus(es): *None*

Satellite Program(s): *Columbia, MO*



General Information

Originally organized in 1885, the School was reorganized and reincorporated in 1898 as the Kansas City College of Pharmacy and Natural Science. It became the third professional school of the University of Kansas City in 1943; and when the University of Kansas City became part of the University of Missouri system in 1963, the School of Pharmacy became the only state supported pharmacy school in Missouri.

The UMKC School of Pharmacy offers programs leading to the non licensure Bachelor of Science in Pharmaceutical Sciences, first professional Pharm.D. degree, the M.S. in pharmaceutical sciences and interdisciplinary Ph.D. degree.

The University of Missouri Kansas City has two campuses in Kansas City. The Volker campus and the Health Sciences campus. The School of Pharmacy's Health Sciences Building is on the University's Health Sciences campus where the Schools of Dentistry, Medicine and Nursing are also located. The Health Sciences Building facilities include the Pharmacy Practice Programs Office, the Biopharmacometrics Laboratory, Pharmacological and Toxicological laboratories, Drug Information Center and Library computer labs, simulation labs, and pharmacy compounding practice laboratory. Affiliations are maintained with many area hospitals and clinical pharmacies and contemporary community pharmacy practices. In addition, the UMKC School of Pharmacy offers a satellite Pharm.D. program on the University of Missouri Columbia campus in conjunction with the School of Health Professions.

Mission/Vision

The UMKC School of Pharmacy will be a globally respected learning community, which creates higher standards in education, practice and research to improve health and quality of life. The UMKC School of Phar-

macy actively increases the level of patient care by its leadership in: educating students, health care practitioners, scientists and the public; partnering with the community and the entire health care team; and conducting innovative research.

Student Life

The UMKC School of Pharmacy provides students a variety of student organizations and professional activities in which to participate. The professional organizations include active student chapters of the American Pharmacists Association (APhA ASP), the Alpha Omega Chapter of Rho Chi, the Omega Chapter of Kappa Epsilon, the Gamma Theta Chapter of Kappa Psi, the National Community Pharmacists Association, the Academy of Managed Care Pharmacy and the Student Society of Health System Pharmacists. UMKC's Academy of Student Pharmacists {ASP} chapter has won national recognition for the development and success of Project Outreach (drug and alcohol abuse program for fifth graders), ROOt for Health, Operation Diabetes, Operation Immunization, Heartburn Awareness and Asthma Coalition and for the active number of participating students in the UMKC Chapter. The School's student chapter of APhA has won the Chapter Achievement Award numerous times and pharmacy students and pharmacy student organizations continue to be recognized at the campus level.

UMKC has approximately 13,000 students enrolled. UMKC offers on campus residential living and campus apartments, conveniently located on campus providing comfortable rooms and amenities.

Curriculum

Students interested in a four-year, non-licensure, baccalaureate program may wish to enroll in the Bachelor of Science in Pharmaceutical Sciences (B.S.P.S.) degree program. Although not leading to pharmacist licensure,

the B.S.P.S. curriculum is interdisciplinary in nature. In addition to liberal arts course work, students also complete a majority of credit hours in each of the chemical, biological, and pharmaceutical/pharmacological sciences. Because of a need for well trained, science and pharmacy knowledgeable individuals, the B.S.P.S. offers a program where students take their skills and put them to work in the biomedical or pharmaceutical industry as technicians in research and analysis. Industry is also looking for people who have the knowledge to pursue pharmaceutical sales and medical liaison positions. Students completing the B.S.P.S. can choose to continue their education in graduate work leading toward the Master of Science and Doctor of Philosophy.

Beginning Fall 2011, the doctor of pharmacy curriculum encompasses four academic years of study, after completion of the specified prerequisites for the Pharm.D. degree. The first professional year includes introductory pharmacy practice, pharmaceutical sciences and upper level basic science courses. Commencing with the second professional year, students engage in advanced pharmaceutical science lecture and labs, professional electives, pharmacology and toxicology and introductory pharmacy practice experiences. In the third year apply their knowledge to therapeutic problems and are immersed in advanced therapeutics, evidence based medicine research methods, advances in drug therapy and pharmacy practice management. The final year is devoted to structured advanced pharmacy practice experiences provided through community, hospital and clinical pharmacy settings. All of the advanced pharmacy practice learning experiences are conducted in actual practice settings under the supervision of a practitioner-instructor or clinical pharmacist who serves as an exemplary role model in his/her particular type of pharmacy practice.

Prerequisite Courses

Course	Semester Hours
English Composition I	3
General Chemistry I with Lab	4
Calculus with Analytical Geometry	4
General Biology I	3
Speech/Public Speaking	3
U.S. Constitution (<i>can be satisfied by American History or American Government</i>)	3
General Chemistry II with Lab	4
Physics with Lab	4
General Biology II	3
English Composition II	3
Organic Chemistry I with Lab	4
Cell Biology	3
Human Anatomy with Lab	4
Organic Chemistry II with Lab	4
Microbiology with Lab	4
Medical Terminology	1

Statistics for 2009 Entering Class Acceptees

Number interviewed:	243
Number accepted:	175
Estimated entering class size:	138
Estimated male (%):	47%
Estimated female (%):	53%
Estimated out-of-state (%):	18%

Application Process and Requirements

Participates in PharmCAS: *No*
 Deadline for receipt of applications: *December 15*
 Supplemental application required: *No*
 Supplemental application fee: *Not applicable*
 Expected GPA: *3.5*
 Minimum overall GPA considered: *2.75*
 Minimum prerequisite GPA considered: *3.0*
 PCAT required: *Yes*
 Minimum PCAT scores considered: *No minimum*
 Oldest PCAT scores considered: *2 years*
 Interview required: *Yes*

Admission Requirements

Students are admitted to the School of Pharmacy in the fall only. A minimum of 56 semester hours of pre requisite college coursework is required. Prerequisite courses must be satisfactorily completed (grade "C" or better) prior to full admission to the professional pharmacy program. These courses may be taken at any regionally accredited college or university. In addition to completing the pre pharmacy curriculum requirements, applicants must:

1. Have a minimum 3.0/4.0 cumulative GPA on all college level work completed.
2. Have a minimum 2.5/4.0 GPA on all science/math college level work completed.
3. Take the Pharmacy College Admission Test (PCAT) prior to February 1 and have official scores submitted to the School by the testing agency.
4. Have one official recommendation form submitted to the School of Pharmacy.
5. Complete and submit a UMKC Doctor of Pharmacy application and all official college transcripts.
6. Complete a structured, formal interview at the School.

The student selection process is based on a multi variant formula. Factors considered are: application materials submitted, results of the PCAT, collegiate scholastic achievement, collegiate science and math achievement, complexity of previous college work, recommendation form, leadership, campus & community involvement, health care experience, and a structured interview.

Applicants should be aware that admission is competitive and meeting minimum eligibility requirements for admission does not guarantee a place in the entering class.

Applications must be postmarked by December 15. Applicants must be in good academic and behavioral standing.

For Further Information

Pharmacy Student Services
 University of Missouri-Kansas City
 2464 Charlotte Street
 Kansas City, MO 64108
 816-235-1613
pharmacy@umkc.edu
<http://pharmacy.umkc.edu>

The University of Montana

Skaggs School of Pharmacy

Accreditation Status: *Full*
Type of Institution: *Public*
Main Campus: *Missoula, MT*
Branch Campus(es): *None*
Satellite Program(s): *None*



General Information

The University of Montana (UM) Skaggs School of Pharmacy is a member of the American Association of Colleges of Pharmacy and its professional program is accredited by the Accreditation Council for Pharmacy Education. It is located in Missoula, a community of approximately 70,000 persons.

The Skaggs School of Pharmacy is located on the Missoula campus. Strong support programs are offered by the physical, biological and behavioral sciences and the clinical facilities available in the city are excellent. In addition, the relatively small size of the Skaggs School of Pharmacy offers the student an opportunity to develop and maintain closer relationships with the faculty members and with fellow students.

Located in Western Montana, halfway between Yellowstone and Glacier National Parks, The University of Montana offers unique opportunities for outdoor activities. Student organizations are as varied as the individuals on the campus itself. Students may enjoy various major athletic events, regularly scheduled concerts, and fine arts performances.

UM offers ten dormitories with a variety of options for on-campus residents. The University of Montana has mandatory residency requirements, requiring freshmen to live on campus during their first year. Family housing is available for families with at least one adult member attending the University full time. The family housing units range in size from studio to four-bedroom apartments. UM has five fraternities and four sororities within walking distance from campus. Students also may choose to live in religious living groups or rental units within the Missoula community.

Mission/Vision

Focus: The focus of this professional program

is to provide a composite of educational experiences that will produce both a well-educated person and a highly trained professional health care practitioner.

Opportunity: The University of Montana is committed to a program of equal opportunity for education, employment, and participation in University activities without regard to race, color, sex, age, religious creed, political ideas, marital status, physical or mental handicap, national origin, or ancestry.

Career Diversity: Career opportunities exist in the fields of community pharmacy, institutional pharmacy, federal or state government service, public health agencies, and with the pharmaceutical industry in sales positions or in manufacturing. Those with advanced degrees are in demand for research positions and positions in pharmaceutical education.

Curriculum

The curriculum offered by the Skaggs School of Pharmacy consists of a six year program leading to the entry-level Pharm.D. degree. The first two years, or pre-professional portion of the curriculum, are spent in studies of the basic physical and biological sciences and in course work necessary to satisfy the University general education requirements.

During the first three years of the professional program, students devote their time to the study of the pharmaceutical sciences and pharmacy practice. Areas of study include biochemistry, microbiology, pharmaceuticals, medicinal chemistry, pharmacology, social administrative pharmacy, and therapeutics. Two introductory practice experiences, one hospital and one retail, are completed during this time period.

The final professional year is entirely experiential. Students complete one eight week advanced practice experience in an institutional setting, eight weeks in an ambulatory care setting, and four weeks in a community

pharmacy. Additionally, students complete four, four week elective advanced practice experience rotations.

The professional curriculum must be taken in residence at The University of Montana Skaggs School of Pharmacy. A program of selected electives allows the student to obtain further educational experience in specialized areas of pharmaceutical knowledge and is designed to prepare them specifically for community pharmacy, sales and management, research and teaching, or hospital and institutional pharmacy.

Admission to UM is effected through the Office of Admissions and New Student Services, Lommasson Center, The University of Montana, Missoula, Montana 59812. However, the Skaggs School of Pharmacy has final jurisdiction in the selection of its students.

Admission Requirements

For a listing of the College Preparatory Program, see The University of Montana Admission Standards for Out-of-State Residents.

The applicant must meet the general requirements for admission to The University. The applicant must have completed two years of satisfactory college work as prescribed in the pre-pharmacy curriculum. This work may be transferred from accredited colleges.

Each applicant for admission to the professional curriculum must have a cumulative and pre-professional GPA of 2.5 or higher (on a 4.00 scale) at the time of application for admission to the first professional year. All required pre-pharmacy courses must be completed with a grade of "C" or better. Grades of "C-" or lower are not acceptable. Entrance into the professional curriculum is selective and enrollment is limited. Selection is based primarily on academic achievement, the appropriateness of the pre-pharmacy coursework submitted, PCAT scores, and an evaluation from 60 hours of paid or volunteer

Prerequisite Courses

Course	Semester Hours
College Chemistry I & II with Labs	10
Organic Chemistry I & II with Labs	8
Cell & Molecular Biology	4
Intro to Human Form & Function (<i>Intro to Human Anatomy & Physiology</i>)	6
College Physics with Lab	5
Applied Calculus	4
Statistics	4
English Composition	3
Communications Elective	3
Micro or Macro Economics	3
Social Science Elective (<i>Intro to Psychology or Sociology</i>)	3

Statistics for 2009 Entering Class Acceptees

Number interviewed:	109
Number accepted:	72
Estimated entering class size:	65
Estimated male (%):	32%
Estimated female (%):	68%
Estimated out-of-state (%):	23%

Application Process and Requirements

Participates in PharmCAS: *No*
 Deadline for receipt of applications: *February 15*
 Supplemental application required: *No*
 Supplemental application fee: *Not applicable*
 Expected GPA: *3.5*
 Minimum overall GPA considered: *2.5*
 Minimum prerequisite GPA considered: *2.5*
 PCAT required: *Yes*
 Minimum PCAT scores considered: *No minimum; average has been 78th percentile*
 Oldest PCAT scores considered: *2 years*
 Interview required: *Yes*

experience in a pharmacy, other health care settings or a social service venue.

Autumn semester is the normal time for admission to the School of Pharmacy. Application forms for admission to the professional curriculum may be obtained from our Web site at www.health.umt.edu and must be submitted for consideration by the faculty prior to the stated deadline date.

Complete credentials for general admission to The University must be on file in the office of admissions and records by July 1 each year for admission to the autumn semester and one month prior to the first day of registration for the spring semester. Transfer applicants should apply for admission during their last term at another institution.

For Further Information

Office of Student Services
 College of Health Professions and Biomedical Sciences
 Skaggs School of Pharmacy
 The University of Montana
 Missoula, MT 59812-1512
 406-243-4656
 Fax: 406-243-5235
pharmacy@umontana.edu
www.health.umt.edu

Creighton University

School of Pharmacy and Health Professions

Accreditation Status: *Full*
Type of Institution: *Private*
Main Campus: *Omaha, NE*
Branch Campus(es): *None*
Satellite Program(s): *None*



General Information

Founded in 1878, Creighton University, one of only 28 Jesuit colleges and universities in the nation, is a private, independent, coeducational institution. Creighton is one of only three Jesuit institutions with an academic medical center. Creighton's 122 acre enclosed campus is located within walking distance of downtown Omaha, Nebraska's largest city with a population of over 800,000. Creighton's nearly 7,000 students come from all 50 states, the District of Columbia, and more than 70 countries. Creighton offers advanced programs through a Graduate School and four professional schools (Dentistry, Law, Medicine, and Pharmacy and Health Professions). Undergraduates choose from 50-plus majors in three colleges: Arts and Sciences, Business Administration, and Nursing. Nearly 35 percent of the student body is enrolled in health science programs.

Service at local, regional, national, and global levels and in all academic areas is a natural part of campus life, flowing from Creighton's educational mission and Jesuit inspiration. Hands on learning is an important part of a Creighton education, especially in programs that require clerkships. Creighton students choose among hundreds of sites across the globe, from Native American communities in the United States to impoverished communities in the Dominican Republic.

There is always something to do, thanks to Creighton's full schedule of concerts, recreation, games, and annual festivals. Campus wide, there are more than 180 student clubs and organizations. Creighton is a NCAA Division I university offering intercollegiate competition through the Missouri Valley Conference. Students may choose from apartment living residence halls for graduate, married, and professional students and students with children, or off-campus housing. The School of Pharmacy and Health Professions provides off-campus housing informa-

tion on a website that includes results from an annual housing survey of current students and roommate finding assistance.

The School of Pharmacy and Health Professions offers national recognized professional entry-level programs leading to Doctor of Occupational Therapy, Doctor of Pharmacy, and Doctor of Physical Therapy degrees, plus additional programs in Pharmaceutical Sciences, Emergency Medical Services, and a certificate in Health Services Administration. The Pharmacy Program is fully accredited by the Accreditation Council for Pharmacy Education (ACPE). In 1976, Creighton began offering the Doctor of Pharmacy (Pharm.D.) degree. In 2001, Creighton moved to the forefront when it became the first in the national offer an entry-level, distance pathway Pharm.D. degree. This innovative pathway relies upon the most advanced distance learning technologies. Students in the distance pathway come to Creighton for short intensive laboratory summer sessions and some distance students may have opportunities to complete their clinical rotations close to home.

Mission/Vision

In the Catholic, Jesuit tradition of Creighton University, the School of Pharmacy and Health Professions will serve the human community by preparing outstanding Occupational Therapists, Pharmacists, and Physical Therapists who provide comprehensive patient centered care. Our commitment is demonstrated by fostering leadership, advancing knowledge, promoting justice and embracing change. All members of the school community will strive to improve societal health through excellence in innovative teaching and learning, research and scholarship, with a focused emphasis on interprofessional collaboration, moral values and service to others.

Curriculum

The School of Pharmacy and Health Professions is a recognized leader in innovative curricula designed to prepare students to face the challenges of pharmacy in the 21st century. Creighton's pharmacy program provides students a sound scientific knowledge base, well-developed clinical expertise, critical thinking abilities, moral reasoning, and communication skills. The School prides itself on a tradition for caring, value-oriented education of the whole person. Biomedical science courses are taught through an interdisciplinary approach during the first two years. Student initiated research projects also provide an opportunity to expand scientific knowledge. The School furnishes diverse opportunities for students interested in participating in research.

All pharmacy students, campus and distance, are issued their own tablet computers. It is incorporated into every aspect of learning and the School's IT staff will give students all the necessary training and technical support.

Three academic years in the School's classrooms and laboratories studying biomedical and pharmaceutical sciences prepare students for their final year in the clinical rotations. Additionally, during these first three years, early clinical experiences give students a broad exposure to the profession and patient care and provide the foundation for the final year of clinical rotations. During the fourth and final year, Creighton pharmacy students have available more than 300 clinical sites in the United States and internationally. Students complete eight clinical rotations, each a five-week-long experience. Five of the clinical rotations are required in distinct professional settings: community pharmacy, acute patient care, in-patient hospital, ambulatory clinics, and drug information. Three elective clinical rotations allow students to focus on specific practice interests.

Prerequisite Courses

Course	Semester Hours
General Chemistry I & II with labs	8
Organic Chemistry I & II with labs	8
General Biology I & II with labs (<i>Coursework in botany, ecology, entomology, anatomy, or physiology will not fulfill the biology requirement</i>)	8
Human Anatomy (<i>If enrolled in a combined anatomy/physiology course, 6 semester hours will be required</i>)	3
Calculus (<i>Pre-calculus, survey, and brief calculus will not fulfill the requirement</i>)	3
Speech	3
Psychology	3
Microeconomics	3
English (<i>including Composition</i>)	3

Statistics for 2010 Entering Class Acceptees

Number interviewed:	357
Number accepted:	300
Estimated entering class size:	185
Estimated male (%):	40%
Estimated female (%):	60%
Estimated out-of-state (%):	75%

Application Process and Requirements

Participates in PharmCAS: Yes
Deadline for receipt of applications: March 1
Supplemental application required: Yes
Supplemental application fee: \$60
Expected GPA: 3.25
Minimum overall GPA considered: 2.9
Minimum prerequisite GPA considered: No minimum
PCAT required: Yes
Minimum PCAT scores considered: 45th percentile
Oldest PCAT scores considered: 3 years
Interview required: Yes



Admission Requirements

An increasing number of applicants are electing to complete a bachelor's degree before entry but a minimum of 63 semester hours are required.

All prerequisite courses must be completed at a regionally accredited institution in the United States. Students are encouraged to take full course loads each semester (minimum of 15 semester hours). All science prerequisite classes must be at a level such that the courses would be acceptable to advance towards a bachelor's degree in that discipline. All questions concerning admission or prerequisite courses should be directed to the School of Pharmacy and Health Professions Admission Office.

A minimum cumulative GPA of 3.0 (on a 4.0 scale) is highly recommended for consideration. The deadline for PharmCAS and Creighton Supplemental application submission is March 1.

For Further Information

Creighton University
 School of Pharmacy and Health Professions
 Admission Office
 2500 California Plaza
 Omaha, NE 68178
 800-325-2830 Ext. 1 or 402-280-2662
 Fax: 402-280-5739
phaadmis@creighton.edu
<http://spahp2.creighton.edu/admission/pharmacy>

University of Nebraska Medical Center

College of Pharmacy

Accreditation Status: *Full*
Type of Institution: *Public*
Main Campus: *Omaha, NE*
Branch Campus(es): *None*
Satellite Program(s): *None*



General Information

The College of Pharmacy is located on the University of Nebraska Medical Center (UNMC) campus occupying facilities completed in 1976 and has offered the doctor of pharmacy as the only entry level professional degree since that time. The Pharm.D. Program is accredited by the Accreditation Council for Pharmacy Education. Classes are conducted on a semester basis beginning in late August and ending in early May. Required didactic courses in the curriculum are not usually offered during the summer.

The University of Nebraska Medical Center is an academic health center campus composed of students in the health professions and graduate study. This provides an excellent educational environment for interaction between students in pharmacy, medicine, nursing and the allied health professions. Both professional and social opportunities are available through campus and College of Pharmacy organizations. The College maintains a chapter of the APhA Academy of Student Pharmacists; chapters of Kappa Psi and Kappa Epsilon Professional Pharmacy Fraternity, Rho Chi Pharmacy Honor Society, and Phi Lambda Sigma Pharmacy Leadership Society; as well as an affiliated group of Christian Pharmacists Fellowship International and a local organization, the Rural Pharmacy Student Association. These organizations provide opportunities for social interaction, as well as the offering of professional programs in the community and the state of Nebraska.

The city of Omaha provides a wide variety of cultural activities and events including the Omaha Symphony, Opera Omaha, and community theaters. The cultural events and athletic facilities of the University of Nebraska at Omaha campus, located two miles from UNMC, are also available for UNMC students. The numerous parks and lakes in and surrounding Omaha provide ample facilities for recreational and leisure time.

The University of Nebraska Medical Center does not have residence halls, but owns a variety of rental property units which are leased to full time students. Further information on housing is available at the Office of Student Services, Student Life Center, 984255 Nebraska Medical Center, Omaha, Nebraska 68198 4255.

Mission/Vision

Our Vision: A preeminent College of Pharmacy. A nationally and internationally recognized community of leaders, who are scientists, educators, practitioners and students, guided by the highest ethical standards, focused on advancing science, the education of pharmacists, other health professionals and graduate and post graduate students, in order to improve human health.

Our Mission: The Mission of the College of Pharmacy at the University of Nebraska Medical Center is to improve the health of Nebraska through premier educational programs for pharmacists, other health professionals and graduate and post graduate students, conduct innovative research and provide highest quality patient care and outreach to underserved populations.

Curriculum

During the first three years of the four-year professional curriculum, students receive instruction in the basic biomedical, pharmaceutical, and clinical sciences. The first year of the program offers required courses in pharmacy law and ethics, pharmaceutical care, pharmaceutical sciences, pharmacy and health care, drug information, compounding, biology of disease, microbiology, immunology, and applied biochemistry. The second year contains required courses in medicinal chemistry, pharmacology, pharmaceutical sciences, and pharmacotherapy.

The third year offers courses that are more practice-oriented including pharmacy law,

pharmacotherapy, drug literature evaluation, and professional practice management. The three-year didactic program also includes ten professional elective hours. Three hundred (300) contact hours of Introductory Pharmacy Practice Experiences (IPPE) are incorporated into the first three years.

The fourth year of the program consists of 40 weeks of Advanced Pharmacy Practice Experiential education (APPE). Students will spend 40 to 50 hours per week on 10 four-week practice experiences at various sites on campus, in the Omaha/Lincoln metro area, rural communities in Greater Nebraska and across the United States. The practice experiences are divided into Level I and II. Students must complete six (6) required courses which include: one each Level I practice experience in Acute Care and Ambulatory Care settings, one Advanced Community Pharmacy experience, one Non-direct Patient Care experience and one Level II practice experience each in Acute Care and Ambulatory Care settings. The remaining four practice experiences are electives as selected by the student. A total of 153 semester hours in the professional program are required for graduation. The complete curriculum may be found on the Web site.

Admission Requirements

Minimum requirements for admission to the University of Nebraska College of Pharmacy include the following: 1) completion of the minimum 90 semester hour prepharmacy curriculum; 2) an overall minimum cumulative GPA of 2.0/4.0 in university level courses; however GPA's of less than 3.0 are rarely competitive; 3) submission of an official PCAT transcript; and 4) completion of the PharmCAS application as well as the UNMC supplemental application and payment of application fees.

Each applicant is evaluated with regard to the following characteristics: 1) completion of the required prepharmacy courses; 2) overall

Prerequisite Courses

Course	Semester Hours
General Chemistry with Lab	8
Organic Chemistry with Lab	8
Biochemistry	3
Quantitative Chemical Analysis	4
Physics with Lab	8
Biological/Life Sciences with Lab	4
Genetics	3
Molecular Biology	3
Anatomy	4
Physiology	4
Calculus	4
Statistics/or Biostatistics	3
English Composition I and II plus Speech	9
Accounting	3
Economics	3
Psychology	3
Developmental Psychology	3
General Education	13

Statistics for 2009 Entering Class Acceptees

Number interviewed:	110
Number accepted:	65
Estimated entering class size:	65
Estimated male (%):	32%
Estimated female (%):	68%
Estimated out-of-state (%):	8%

Application Process and Requirements

Participates in PharmCAS: Yes
 Deadline for receipt of applications: December 1
 Supplemental application required: Yes
 Supplemental application fee: \$45
 Expected GPA: 3.0
 Minimum overall GPA considered: 2.0
 Minimum prerequisite GPA considered: 2.0
 PCAT required: Yes
 Minimum PCAT scores considered: Not reported
 Oldest PCAT scores considered: 3 years
 Interview required: Yes

academic performance in college-level programs; 3) academic performance in science courses; 4) performance on standardized examinations (PCAT, ACT); 5) residence in Nebraska (or immediately surrounding area) or other indication that applicant is likely to practice in the geographic area served by the College; 6) motivation for the study and practice of pharmacy; 7) written communication skills and expression of career goals; and 8) referees' evaluations, interview, and extemporaneous writing.

For Further Information

Dr. Charles H. Krobot
 Associate Dean for Student Affairs
 College of Pharmacy
 University of Nebraska Medical Center
 986000 Nebraska Medical Center
 Omaha, NE 68198-6000
 402-559-4333
www.unmc.edu/pharmacy

Other Programs

Graduate Study Opportunities

The Graduate College offers opportunities for studies at the Master of Science (M.S.) or Doctor of Philosophy (Ph.D.) levels in the Pharmaceutical Sciences Graduate Program (PSGP). Students in the professional program who have baccalaureate degrees may wish to consider pursuit of a combined M.S./Pharm.D. degree. This program requires dual matriculation in the College of Pharmacy and the Graduate College.

University of Southern Nevada

College of Pharmacy

Accreditation Status: *Full*

Type of Institution: *Private*

Main Campus: *Henderson, NV*

Branch Campus(es): *South Jordan, UT*

Satellite Program(s): *None*



General Information

The University of Southern Nevada College of Pharmacy (USN) offers a Doctor of Pharmacy program, leading to the Pharm.D. degree. The College has state of the art campuses in Henderson, Nevada and South Jordan, Utah. The University is a private institution that features an innovative curriculum that is committed to the proficiency of its graduates. The College is focused on providing quality didactic and experiential education in a student centered learning environment.

Mission/Vision

The University of Southern Nevada College of Pharmacy serves the needs of Nevada and the surrounding regions through its programs in professional pharmacy education and its commitment to scholarship and service to the community. It prepares students to become competent, caring, ethical pharmacists, who are leaders within the profession and are dedicated to the provision of patient centered care. It seeks to provide an environment open to the free exchange of ideas and where diversity of people and modes of learning are valued.

Curriculum

USN's Pharm.D. curriculum utilizes the block system of curricular design, which provides students with the opportunity to study one content area intensely. Faculty, using a variety of educational strategies, help students achieve the learning outcomes for each block. The program does not award students traditional letter grades (e.g., A, B, C, D or F). However, faculty require students to demonstrate competency by successfully passing every assessment (examination). The program also offers a unique experiential training program that places students in pharmacy practice sites within the first two weeks following matriculation. This exposure to pharmacy practice continues throughout the program. The curriculum is arranged

such that students enrolled in the program can earn the Pharm.D. degree in three years, rather than four. Students fulfill academic requirements throughout the year. However, the curricular schedule allows summer and holiday breaks.

Admission Requirements

In order to be eligible for admission to the Pharm.D. program, applicants must: 1) complete the equivalent of a minimum of 60 semester credit hours (90 quarter hours); 2) achieve a minimum cumulative grade point average of 2.8/4.0; 3) receive a grade of "C" or better in all math/science prerequisite courses; 4) receive a grade of "B" or better in the English Composition and Speech prerequisites; and 5) submit PCAT scores.

Interview

The Admissions Office invites applicants with the highest interview selection scores to an on-campus interview. The College typically conducts interviews until April. Candidates are interviewed by a panel that assesses oral communication skills, the ability to work within a team, leadership, motivation, problem-solving, and professionalism. The interview panel may review the answers to the essay questions in the application before the interview. Therefore, each applicant should provide concise answers to the essay questions in the application and be familiar with the written responses he/she provided in the application.

For Further Information

University of Southern Nevada
College of Pharmacy
11 Sunset Way
Henderson, NV 89014
702 990 4433
Fax: 702 990 4435
usncopadmissions@usn.edu
www.usn.edu

Prerequisite Courses

Course	Semester Hours
General Chemistry I	4
General Chemistry II	4
Organic Chemistry I	4
Organic Chemistry II	4
Calculus I	3
Microbiology	3
Human Anatomy	3
Human Physiology	3
English Composition	3
Speech	3

Statistics for 2009 Entering Class Acceptees

Number interviewed:	617
Number accepted:	326
Estimated entering class size:	238
Estimated male (%):	46%
Estimated female (%):	54%
Estimated out-of-state (%):	50%

Application Process and Requirements

Participates in PharmCAS: *No*
Deadline for receipt of applications: *December 6*
Supplemental application required: *No*
Supplemental application fee: *Not applicable*
Expected GPA: *3.6*
Minimum overall GPA considered: *2.8*
Minimum prerequisite GPA considered: *2.23*
PCAT required: *Yes*
Minimum PCAT scores considered: *Not reported*
Oldest PCAT scores considered: *Not reported*
Interview required: *Yes*



Rutgers, the State University of New Jersey

Ernest Mario School of Pharmacy

Accreditation Status: *Full*
Type of Institution: *Public*
Main Campus: *Piscataway, NJ*
Branch Campus(es): *None*
Satellite Program(s): *None*



General Information

The Ernest Mario School of Pharmacy of Rutgers, The State University of New Jersey, as founded in 1882 and was incorporated into Rutgers University in 1927. It is located on a suburban campus (Busch campus) in Piscataway adjacent to the Medical School and other science, technology based and engineering programs. Most of our students live in dormitories and other residence life facilities provided by the university on one of several sub campuses. In addition, numerous cultural and athletic activities, as well as entertainment events, are provided through Rutgers University.

Rutgers University has major campuses in the southern (Camden) and the northern part of the state (Newark). The campus in the central part of the state, where the School of Pharmacy is located, are referred to as the New Brunswick/Piscataway campuses.

Within the School of Pharmacy, students are involved with professional, fraternal and honorary societies, student government organizations and an active branch of the Academy of Students of Pharmacy. Students also have the opportunity to participate in a research intensive honors program. Every effort is made to guarantee housing to incoming freshmen provided application deadlines are met.

Mission/Vision

The Ernest Mario School of Pharmacy at Rutgers University is a fully accredited research-intensive pharmacy school with a strong academic faculty supporting clinical and basic scientific research as well as professional pharmacy and graduate student training. Our primary mission is the preparation of highly proficient professional Pharm.D. students for a career in this challenging and evolving health care discipline, as well as the contribution of strong clinical and scientific training and research that broadly advances

the understanding of the molecular basis of disease, its pharmacological control, drug development, delivery, disposition, and economic benefit. In addition, new strategic multidisciplinary initiatives are in development to leverage clinical and scientific expertise within the school with key collaborators from various university departments in areas such as advanced drug delivery, cancer biology, pharmacogenomics, pharmacoeconomics, disease prevention, toxicology, and biomedical engineering. These initiatives will position our school as a nexus of pharmaceutical science, practice and health policy in New Jersey with strong interactions with local pharmaceutical industry, the state and federal government, and a breadth of health care providers.

Curriculum

The Doctor of Pharmacy is the sole professional degree offered at the school. The professional curriculum encompasses six academic years of study for the Doctor of Pharmacy (Pharm.D.) degree. The majority of students enter the pharmacy program in the first year of the six year professional curriculum. The prime objective of the curriculum is to prepare young men and women for the practice of pharmacy. In preparation for their roles as health care providers and members of health care teams, students are trained for the many important roles available to pharmacists within the pharmaceutical industry, community, institutional, or managed care settings. A goal of the curriculum is to develop a high level of theoretical and cultural exposure as well as communications and technical skills. In all cases, a balanced program of study is provided in the basic pharmaceutical, management and clinical sciences.

Introductory and intermediate experience programs in community pharmacies and institutional pharmacy settings are provided throughout the final four years of the curriculum with a major emphasis of the final

year being pharmacy practice experience in outstanding teaching and community hospitals, community pharmacies, managed care settings, the pharmaceutical industry and other specialty practice opportunities. The professional practice and experiential courses within the curriculum currently satisfy all the experience requirements for licensure in New Jersey.

Admission Requirements

Admission is competitive for both first year and transfer students with particular attention being given to the applicant's performance in mathematics, science, and English courses. All students must successfully complete a formal interview prior to entering the first professional year (year 3 of 6). The objective of the interview is to determine the student's understanding of the profession of pharmacy and to assess the applicant's communication skills and ethical qualifications. The admission criteria reviewed for first year applicants include high school class rank, grade point average, grades, strength of program and SAT scores. For students applying as first year students, 16 units of high school work are required and should include four units of college prep English, three units of college prep math, two units of one foreign language and seven units of other college prep courses including science. Greater weight is given to college prep units, honors courses, and advanced placement courses. Students still in high school may apply at the beginning of their senior year. First year student applicants who apply by December 1 are assured of priority consideration and early notification of a decision by February 28.

A small group of first year students applying to the School of Pharmacy will be offered admission to the joint 2+4 Pre Pharmacy Program being offered by the School of Pharmacy and the Camden and Newark Colleges of Arts and Sciences on either the Rutgers Camden or Newark Campus. 2+4 students will follow the first and second year of the

Prerequisite Courses

Course (high school)	Years
English	4
Biology	1
Chemistry	1
Foreign Language	2
Mathematics (Algebra I and II and Geometry)	3
Five other academic courses (physics recommended)	

Course (transfer students)	Credit Hours
English Composition	6
General Chemistry I and II	8
Chemistry Lab	1
General Biology I and II	8
Calculus	4
General Physics I and II	8
Physics Lab	1
Basic Statistics for Research	3
Microeconomics	3
Psychology or Sociology	3
Humanity/Social Science Electives	15
Organic Chemistry I and II	8
Organic Chemistry Lab	2
Systems Physiology*	3

*This course is exclusively physiology. Students who complete Anatomy and Physiology I must also complete Anatomy and Physiology II.

Statistics for 2009 Entering Class Acceptees

Number interviewed	Interview in 2nd pre-professional year
Number accepted	731
Estimated entering class size	227
Estimated male (%)	44%
Estimated female (%)	56%
Estimated out-of-state (%)	22%

Application Process and Requirements

Participates in PharmCAS: No
Deadline for receipt of applications: December 15 (Freshmen); January 15 (Transfers)
Supplemental application required: No
Supplemental application fee: Not applicable
Expected GPA: Not reported
Minimum overall GPA considered: 2.8
Minimum prerequisite GPA considered: Not reported
PCAT required: No
Minimum PCAT scores considered: Not applicable
Oldest PCAT scores considered: Not applicable
Interview required: Yes

School of Pharmacy curriculum, and if they successfully complete all first and second year course requirements and maintain all scholastic standards, they will automatically be admitted to the School of Pharmacy in the third year of the Pharm.D.

Applicants who have completed advanced placement courses are urged to take the College Board Advanced Placement Examinations and have the results forwarded to the Director of Undergraduate Admissions. Only scores of four or five will merit advanced placement. A maximum of 8 credits of Advanced Placement are allowed.

The criteria for admission as a transfer student into the third year of the six year program are academic performance on the pre professional requirements and interview results. Optional letters of recommendation, healthcare experience, and PCAT scores are strongly encouraged and given consideration. Some preference is given for students holding a bachelors degree. The priority application deadline for transfer students is January 15. Meeting this deadline will ensure their notification by May 15.

For Further Information

Applications:

Rutgers Undergraduate Admissions Office
 65 Davidson Road, Room 202
 Piscataway, NJ 08854-8097
<http://admissions.rutgers.edu>

Other questions:

Associate Dean Donald K. Woodward
 Rutgers, The State University of New Jersey
 Ernest Mario School of Pharmacy
 160 Frelinghuysen Road
 Piscataway, NJ 08854-8020
<http://pharmacy.rutgers.edu>

The University of New Mexico

College of Pharmacy

Accreditation Status: *Full*
Type of Institution: *Public*
Main Campus: *Albuquerque, NM*
Branch Campus(es): *None*
Satellite Program(s): *None*



General Information

Founded in 1945, the College of Pharmacy at the University of New Mexico Health Science Center is the oldest health professional program at the university and the only college of pharmacy in New Mexico. The Health Science Center includes the College of Pharmacy, the College of Nursing, the School of Medicine and the UNM Hospitals, a 500 bed tertiary care center. The College also offers the Masters of Science (M.S.) and Doctor of Philosophy (Ph.D.) in various areas of the pharmaceutical sciences. The college enrolls the second highest number of Hispanic and Native American pharmacy students among all colleges of pharmacy and is the most ethnically diverse college in the United States. The college has 2,800 alumni from the professional program who practice in 48 states and 2/3 of all pharmacists practicing pharmacy in New Mexico are alumni of the college. Unique programs within the college include the six semester sequence of pharmaceutical care laboratories; graduates who are eligible for licensure as both a registered pharmacist and a pharmacist clinician; the NM Poison and Drug Information Center, which is open 365 days per year and annually receives 45,000 inquiries and is operated by pharmacists who are certified poison specialists; a nationally recognized problem based learning curriculum and the oldest training program in nuclear pharmacy in the United States.

The college is a co-sponsor for ASHP accredited PGY-1 and PGY-2 residencies in cardiovascular, geriatric and infectious diseases pharmacotherapy with the UNM Hospitals and is affiliated with the NM VA Healthcare System, the Lovelace Sandia Health System, Presbyterian Healthcare System, the Indian Health Service and the University's Cancer Research and Treatment Center.

The college has 54 faculty and 250 preceptors throughout the state. The college has a strong partnership with the NM Pharmacists

Association, the NM Society of Health System Pharmacists and the NM State Board of Pharmacy. These partnerships have created innovative pharmacy practice opportunities for pharmacists in New Mexico including recognition as pharmacist clinicians, pediatric and adult immunization prescribing and administration, tobacco cessation product prescribing and various disease state management programs.

Mission/Vision

The mission of the College is to develop innovative leaders in pharmaceutical care and research who enhance the quality of life for the people of New Mexico.

The college's vision is to be the premier college of pharmacy, recognized for excellence, leadership, and innovation in pharmaceutical education and research.

Values: The University of New Mexico College of Pharmacy is committed to the following values:

- a culture of high expectations regarding integrity, accountability, lifelong learning, and continuous quality improvement
- compassion, respect, and cultural competency
- diversity in people and thinking
- effective utilization of our resources
- support of professional and personal growth
- collaborative interactions and inter professional learning
- service to our communities through education, research, and healthcare

Curriculum

The College of Pharmacy offers the professional program leading to the Doctor of Pharmacy (Pharm.D. degree). The program consists of four years of professional education preceded by the completion of 91 semester hours of prerequisite course-

work. The Pharm.D. program emphasizes student-centered problem-based learning, six semesters of pharmaceutical care labs and requires two months of introductory professional practice experiences and nine months of advanced professional practice experiences during the fourth year, including experiences in ambulatory care, clinical and institutional settings. The Pharm.D. degree is the only professional degree offered by the College of Pharmacy.

Admission Requirements

The College of Pharmacy admits students in the fall semester only. Applicants for the incoming class of 2010 must complete and submit a Pharmacy College Application Service (PharmCAS) application by January 5th, 2011. Applicants are also required to submit a supplemental application to the College of Pharmacy. Select applicants will be invited for an interview that is required for admission. The required interview will consist of two main parts: a 30 minute extemporaneous writing exercise and a single 30 minute interview with one College faculty member of the admissions committee and a guest interviewer who may be a pharmacy practitioner, current pharmacy student or other member of the College faculty. Finally, interviewees will also have the opportunity to tour the HSC campus and speak informally with administrators, faculty and students of the College as well as practicing pharmacists. To be considered for an interview, students must have a minimum 2.5 GPA on completed pre-requisite courses (a competitive GPA is usually 2.7 or above). Selection criteria for admission to the College of Pharmacy include written and verbal communication skills, academic performance and attitudes towards education, commitment to the state of New Mexico, the maturity and professionalism of the candidate, and motivation for pharmacy as a career.

Prerequisite Courses

Course	Semester Hours
Molecular and Cellular Biology	4
Genetics	4
Anatomy and Physiology I & II	6
Microbiology with Lab	4
General Chemistry I & II with Labs.	8
Organic Chemistry I & II with Labs.	8
Physics I and II	6
Calculus I	3
Introduction to Statistics	3
English I & II	6
Microeconomics	3
Critical Thinking Selectives	6
Communication Selectives	6
Electives	24

Statistics for 2009 Entering Class Acceptees

Number interviewed:	169
Number accepted:	93
Estimated entering class size: . . . . .	.88
Estimated male (%):	43%
Estimated female (%):	57%
Estimated out-of-state (%):	8%

Application Process and Requirements

Participates in PharmCAS: Yes
 Deadline for receipt of applications: *January 5*
 Supplemental application required: Yes
 Supplemental application fee: \$50
 Expected GPA: 3.0
 Minimum overall GPA considered: 2.5
 Minimum prerequisite GPA considered: 2.5
 PCAT required: Yes
 Minimum PCAT scores considered: *30th percentile*
 Oldest PCAT scores considered: *3 years*
 Interview required: Yes

Students are conditionally admitted to the College of Pharmacy with the stipulation that they complete the prerequisite courses with grades of no lower than “C-“ prior to matriculation.

Further information concerning the Communications and Critical Thinking Selectives can be found at: www.unm.edu/~artsci/advise/prepharmacy.html.

For Further Information

Office of Admissions
 College of Pharmacy
 MSC09 5360
 1 University of New Mexico
 Albuquerque, NM 87131
 505-272-0583
<http://hsc.unm.edu/pharmacy/>

D'Youville College

School of Pharmacy

Accreditation Status: *Precandidate*

Type of Institution: *Private*

Main Campus: *Buffalo, NY*

Branch Campus: *None*

Satellite Program(s): *None*



General Information

The new program is designed to prepare students to practice in an inter-professional patient-centered environment where pharmacists are responsible for assisting patients in managing their medication regimens. Graduates of the program will be taught to communicate effectively with patients and other health care practitioners, to solve problems related to drug therapy regimens, and to develop and evaluate programs to improve the health of the communities they serve.

The D'Youville College mission's emphasis on leadership and service to the community is reflected in the pharmacy program. Students will practice leadership skills while working collaboratively with their colleagues and the faculty on problem sets, case analyses, and class and service projects. Through class exercises and practice experiences the new pharmacy program will teach students to care for patients and communities.

For Further Information

Dr. Canio J. Marasco, Jr.
Assistant Dean of Faculty and Student
Affairs
D'Youville College School of Pharmacy
320 Porter Avenue
Buffalo, NY 14201
716- 829-8440
pharmacyadmissions@dyc.edu
www.dyc.edu/academics/pharmacy

Required Courses

Course	Semester Hours
Biology I and II with Labs	8
Microbiology with Lab or Anatomy and Physiology with Lab.	4
General Chemistry I and II with Labs	8
Organic Chemistry I and II with Labs	8
Physics I and II with Labs.	8
Calculus I	4
Statistics	4
English Composition I and II	6
Public Speaking	3
U.S. History	3
Economics	3
Social Sciences	3
Humanities	3

Statistics for 2010 Entering Class Acceptees

Number interviewed:	163
Number accepted:	66
Estimated entering class size:	66
Estimated male (%):	54%
Estimated female (%):	46%
Estimated out-of-state (%):	12%

Application Process and Requirements

Participates in PharmCAS: *Yes*
Deadline for receipt of applications: *March 1*
Supplemental application required: *No*
Supplemental application fee: *Not applicable*
Expected GPA: *Not reported*
Minimum overall GPA considered: *2.5*
Minimum prerequisite GPA considered: *2.5*
PCAT required: *Yes*
Minimum PCAT scores considered: *Not reported*
Oldest PCAT scores considered: *January 2009*
Interview required: *Yes*

Long Island University

Arnold & Marie Schwartz College of Pharmacy & Health Sciences



Accreditation Status: *Full*
Type of Institution: *Private*
Main Campus: *Brooklyn, NY*
Branch Campus(es): *None*
Satellite Program(s): *None*

General Information

Entering its eighth decade of providing access to the American dream through excellence in higher education, Long Island University is a multicampus, diverse, doctoral institution. One of the largest and most comprehensive private nonsectarian universities in the country, it offers more than 600 undergraduate, graduate and doctoral degree programs and certificates and educates more than 18,000 students.

Long Island University's more than 650 full time faculty members provide outstanding instruction, which is supplemented by internships and cooperative education opportunities. The University's NCAA Division I and II athletic teams, nationally renowned George Polk Awards in journalism, Tilles Center for the Performing Arts and Long Island University Public Radio Network (WLIU FM and WCWP FM) provide enrichment for its students and the communities it serves.

The Arnold & Marie Schwartz College of Pharmacy and Health Sciences (formerly the Brooklyn College of Pharmacy) was founded in 1886 and is the oldest unit of Long Island University. Located on the Brooklyn Campus, the College of Pharmacy educates students in the heart of the largest metropolitan area in the country. There are nearly 1,000 full time professional students and approximately 200 300 graduate students enrolled each year.

All pharmacy students are eligible to participate in numerous extracurricular programs of intellectual, cultural, athletic and social value. The College sponsors active chapters of many student professional organizations. The Pharmacy Student Leadership Council serves to coordinate the activities of student organizations and assures student input to the College's faculty and administration.

Mission/Vision

The Arnold & Marie Schwartz College of Pharmacy and Health Sciences is a student centered institution that also serves its other stakeholders including faculty and staff, alumni, the pharmaceutical community and industry, and the public, in a variety of ways.

Preparing students for contemporary practice, while envisioning future trends and expanded roles, today's education is focused on the delivery of patient centered and population based care that ensures optimal medication therapy outcomes. The program is enriched by both the extraordinary diversity of the student body, and the strength of outstanding clinical affiliations in the New York Metropolitan area. As a result, students will be prepared for post graduate training and the practice of medication management.

Underpinning the attainment of specific curricular outcomes, the College endeavors to impart to students the attributes of responsible and informed citizenry, the cultivation of ethical and cultural values, and the development of leadership skills.

The College seeks to create an environment that encourages creativity and innovation, promotes collegiality, and stimulates the creation, transmission, and application of knowledge that leads to improved health outcomes or otherwise benefits society. To this end, the College offers post graduate programs in the pharmaceutical, biomedical, and social and administrative sciences. Collaboration with health care institutions is sought to enable participation in the development of residency programs and to explore new opportunities for post graduate professional education.

As a living and growing community of scholars, teachers, and learners, the College fosters faculty, staff and adjunct/volunteer preceptor development, and makes special efforts to provide students with opportunities for diverse and enhanced career growth.

Recognizing its obligation to the profession, the College supports the expanding scope of pharmacy practice through legislative advocacy and leadership. It addresses the continuum of learning through a commitment to the development of life long learning patterns among current students, as well as through an active program of continuing education for practitioners that is attuned to changing pharmacy practice needs.

Consistent with the University's mission of Access and Excellence the College of Pharmacy has a mission to pursue continuous quality assurance, and to ensure a place of prominence in the University's organization and structure.

Curriculum

The Arnold & Marie Schwartz College of Pharmacy and Health Sciences offers a six year doctor of pharmacy (Pharm.D.) degree as the sole degree for entry level pharmacy practice. The two year preprofessional phase of the program builds a firm foundation in the basic sciences (biology, chemistry, physics and mathematics), and in the humanities and social sciences. The professional phase emphasizes course work in the biomedical, pharmaceutical, social and administrative, and clinical sciences. The four year professional phase of the Doctor of Pharmacy program consists of three years of didactic course work that includes lectures, laboratories and recitations intermixed with introductory pharmacy practice experiences and a year of advanced pharmacy practice experiences that students complete at on-site rotations.

Admission Requirements

Potential applicants are highly encouraged to consult the College of Pharmacy Bulletin and/or the Brooklyn Campus Office of Admissions for complete information regarding admission requirements.

Prerequisite Courses

Course	Semester Hours
General Chemistry I and II (<i>LIU CHE 3 and 4</i>)	8
Organic Chemistry I and II (<i>LIU CHE 121 and 122</i>)	8
General Biology I and II (<i>LIU BIO 3 and 4</i>)	8
Human Anatomy (<i>LIU BIO 131</i>)	4
Physics (<i>LIU PHY 27</i>)	4
Precalculus (<i>LIU MAT 30</i>)	4
Calculus (<i>LIU MAT 40</i>)	4
Composition I (<i>LIU English 16</i>)	3
Composition II (<i>LIU COS 50</i>)	3
English Literature (<i>LIU English 61, 62, 63, 64</i>)	6
History or Philosophy (<i>LIU HIS 1 and 2, PHL 61 and 62</i>)	6
General Psychology (<i>LIU Psychology 3</i>)	3
Speech (<i>LIU Speech 3</i>)	3
Microeconomics or Macroeconomics (<i>LIU ECO 1 or 2</i>)	3
Orientation Seminar (<i>Applies only to LIU Students</i>)	1
Pharmacy Orientation Seminar (<i>Applies only to LIU Students</i>)	1

Statistics for 2009 Entering Class Acceptees

Number interviewed:	370
Number accepted:	230
Estimated entering class size:	204
Estimated male (%):	36%
Estimated female (%):	64%
Estimated out-of-state (%):	13%

Application Process and Requirements

Participates in PharmCAS: Yes
 Deadline for receipt of applications: January 5
 Supplemental application required: Yes
 Supplemental application fee: \$30
 Expected GPA: 3.4
 Minimum overall GPA considered: 3.0
 Minimum prerequisite GPA considered: 3.0
 PCAT required: Yes
 Minimum PCAT scores considered: No minimum
 Oldest PCAT scores considered: 3 years
 Interview required: Yes

Admission for the professional phase (years 3-6) of the program is highly selective and is based upon a variety of factors including an applicant's total academic record, PCAT scores, community service, extracurricular activities, demonstration of leadership and communication skills. A satisfactory background check and drug screen are required for admission into the professional phase of the program. Applicants selected after an initial screening are invited to the campus for a required interview. Students are admitted once a year for an entering class that begins in the fall. The application deadline is early January. Applicants should check with the Office of Admissions for the exact date.

The College considers applicants at both the freshman and transfer level. Students admitted to preprofessional studies (first two years) are not guaranteed progression into the professional phase of the program. Applicants to the first year should have successfully completed at least 16 academic units (including English, mathematics, laboratory sciences and humanities and social sciences) in an accredited four-year secondary school. Students with a minimum high school average of 90 or a minimum high school average of 85 and a minimum of 1100 score on the SAT (or satisfactory score on the ACT) are given first preference for consideration of admission.

Transfer students should have obtained in prior college course work a minimum of a 3.0 GPA overall and a 3.0 GPA in the required science courses. Students applying for the professional phase of the program should have: two semesters each of general biology, inorganic chemistry, and organic chemistry; one semester each of pre-calculus, calculus, physics and human anatomy. In addition, 24 credits in the humanities and social sciences including 12 credits of English composition and literature, 3 credits each of speech, economics, and 6 credits of either history or philosophy are required. Grades of "C" or better in subjects that correspond or are of equal value to courses in the preprofessional curriculum are acceptable for transfer.

The College awards generous academic merit scholarships, not based on need, for students in the undergraduate portion of the Doctor of Pharmacy (Pharm.D.) program. Entering freshman students may be eligible for up to eight semesters of university-funded scholarships in varying amounts based on prior academic performance. In addition to scholarships, substantial financial aid packages are available to qualifying pharmacy students through the Office of Student Financial Aid Services.

The College of Pharmacy and Health Sciences participates in both the Advanced Placement Program (APP) and the College Level Examination Program (CLEP) of the College Entrance Examination Board. Placement and/or credit may be granted for academic work in preprofessional subject areas.

Other Programs

The College offers an entry-level Doctor of Pharmacy (Pharm.D.) degree and the master of science degree with specializations in industrial pharmacy, cosmetic science, pharmacology, toxicology, pharmacy administration, and drug regulatory affairs. The College also offers the doctor of philosophy (Ph.D.) program in pharmaceuticals.

For Further Information

Office of Admissions, Brooklyn Campus
 Long Island University
 University Plaza
 Brooklyn, NY 11201
 718-488-1011
 www.brooklyn.liu.edu/pharmacy

St. John Fisher College

Wegmans School of Pharmacy



Accreditation Status: Full
Type of Institution: Private
Main Campus: Rochester, NY
Branch Campus(es): None
Satellite Program(s): None

General Information

St. John Fisher College is located on 156 acres in Rochester, New York, near Interstate 490. The college, which was founded as a collaborative community dedicated to teaching and learning in a personalized educational environment. The College is guided by its Catholic heritage, as expressed in the motto of its founders: “teach me goodness, discipline, and knowledge”.

There is no on-campus housing for pharmacy students. The Office of Student Affairs maintains a list of possible off-campus housing options, including apartments, houses, mobile homes and rooms in private homes. Students are welcome to contact the landlords or rental agencies directly to make living arrangements. The office also offers a student driven roommate service.

Mission/Vision

Mission

Preparing pharmacists for lives of intellectual, professional, and civic integrity.

Vision

The Wegmans School of Pharmacy will be recognized for preparing pharmacists to provide pharmaceutical care that enhances the health related quality of life of the patients they serve. The school is committed to providing an environment that;

1. promotes academic excellence, service and scholarship,
2. encourages each student’s intellectual and personal development, and
3. fosters the development of lifelong learners committed to advancing the profession of pharmacy.

Curriculum

The curriculum is designed to provide the necessary didactic and clinical training for students to provide both distributive and patient-oriented pharmaceutical services in

hospitals, clinics, community pharmacies and extended health care facilities. The goals and objectives of the curriculum are intended to instill the knowledge, skills, abilities, and values necessary to the provision of optimal pharmaceutical care. Pharmaceutical care involves strong problem-solving skills, effective communication skills and ability to work within a multidisciplinary team of health care professionals.

Admission Requirements

Applications to the pre-pharmacy curriculum should be addressed to: Office of Undergraduate Admissions, St. John Fisher College, 3690 East Avenue, Rochester, NY 14618.

To be considered for admission to the Wegmans School of Pharmacy, applicants must 1) be eligible for admission to St. John Fisher College, 2) be able to complete all of St. John Fisher College’s pre-pharmacy requirements prior to the date of matriculation in the Wegmans School of Pharmacy, 3) have acceptable grade point averages (overall and science), 4) have acceptable scores on the Pharmacy College Admissions Test (PCAT), 5) outstanding letters of recommendation and 6) have an acceptable onsite admissions interview.

Four (4) semesters (63 semester hours) of college coursework must be completed prior to matriculation.

For Further Information

Office of Student Affairs
Wegmans School of Pharmacy
St. John Fisher College
3690 East Avenue
Rochester, NY 14618
585-385-8430
www.sjfc.edu/pharmacy

Prerequisite Courses

Course	Semester Hours
Biology with Lab	12
General Chemistry I and II with Lab	8
Organic Chemistry I and II with Lab	8
Physics with Lab.	4
Calculus I	3
Statistics	3
English Composition	3
Literature	3
Speech	3
Business/Economics	3
Humanities and Social/Behavioral Science	12

Statistics for 2009 Entering Class Acceptees

Number interviewed:	236
Number accepted:	158
Estimated entering class size:	75
Estimated male (%): 4	42%
Estimated female (%):	58%
Estimated out-of-state (%):	13%

Application Process and Requirements

Participates in PharmCAS: Yes
Deadline for receipt of applications: *February 1*
Supplemental application required: Yes
Supplemental application fee: \$30
Expected GPA: 3.4
Minimum overall GPA considered: 2.75
Minimum prerequisite GPA considered: 2.75
PCAT required: Yes
Minimum PCAT scores considered: *No minimum, but should be competitive with other applicants*
Oldest PCAT scores considered: 5 years
Interview required: Yes

St. John's University

College of Pharmacy and Allied Health Professions

Accreditation Status: *Full*
Type of Institution: *Private*
Main Campus: *Queens, NY*
Branch Campus(es): *None*
Satellite Program(s): *None*



COLLEGE OF
PHARMACY AND
ALLIED HEALTH
PROFESSIONS

General Information

St. John's University was founded as St. John's College in 1870 by the priests of the Congregation of the Mission popularly known as the Vincentian Fathers. In 1906, a new charter issued by the State of New York recognized St. John's as a university.

The College of Pharmacy was established in 1929 as a professional school of the University. In 1958, it was relocated from the Brooklyn Center to the newly constructed science pharmacy building on the Queens campus. The name of the College of Pharmacy was changed to the College of Pharmacy and Allied Health Professions in 1972 to more properly represent the diversity of our undergraduate and graduate programs. In addition to the Pharm.D., the College also offers B.S. programs of study in medical technology, physician assistant, and toxicology. The College also offers M.S. programs, a post baccalaureate Pharm.D. program, and Ph.D. programs through the Graduate Division.

A complete program of student life services and activities is provided for resident and commuter students. The College of Pharmacy and Allied Health Professions is one of the six colleges of St. John's University that is located on the Queens campus. As one of the largest Catholic universities in the United States, the University offers many cultural, athletic and entertainment events. The College of Pharmacy and Allied Health Professions has numerous organizations and activities that provide students with extracurricular and co curricular opportunities for professional, personal, social and cultural development and growth. The University benefits from its location in a suburban community in Queens, New York that also enables students to easily access the many cultural, entertainment, shopping, and educational opportunities that are offered by New York City.

Student housing is available, in the newly constructed on campus residence halls, through the Office of Residence Life. The Office of Student Life also assists students who wish to reside off campus, with locating available housing in the surrounding residential area.

Mission/Vision

The College of Pharmacy and Allied Health Professions commits to academic excellence, scholarship and service to humanity through the discovery and application of biomedical knowledge.

We facilitate and advance scholarship by offering innovative programs of study utilizing active learning approaches that are student-centered, outcomes-oriented and that inspire lifelong learning.

As compassionate health care professionals and scientists, we serve humanity through our dedication to excellence in health care and biomedical research. Building on a commitment to cultural diversity and benefiting from our metropolitan location and strategic alliances with the leading health care institutions, we strive to serve as effective leaders, good citizens and moral and ethical individuals.

We commit ourselves to the discovery, communication and application of biomedical knowledge as a critical component for the development of health care professionals and scientists. Through innovative basic, social and clinical research initiatives, we contribute to scientific knowledge, address contemporary health care issues and seek solutions to health care problems.

Our mission embodies the principles of the University's mission statement: to provide a quality education in an environment that is Catholic, Vincentian and metropolitan.

Curriculum

All freshmen pharmacy students admitted to the College are classified as Pharm.D. students.

The six-year pharmacy curriculum includes instruction in the liberal arts, scientific, preprofessional and professional areas. Students enrolled in other majors offered at St. John's University may be enrolled in basic science and general education courses with pharmacy majors, however enrollment in the majority of courses in the pharmacy curriculum is restricted to pharmacy majors only. Students develop an appreciation for contemporary pharmacy practice through their enrollment in experiential rotations that are included throughout the curriculum. In particular, in the fifth and sixth years of the program, there is a significant emphasis placed on experiential education.

Traditional teaching techniques as well as integrated teaching and team teaching strategies are utilized by the faculty in many of the professional didactic courses included in the curriculum. The Drugs and Diseases courses are a particularly innovative component of the curriculum. These courses are taught using an integrated and sequential method of instruction relevant to the specific disease states incorporating the areas of pathophysiology, pharmacology, medicinal chemistry, therapeutics and self-care therapies. Problem based learning skills and critical thinking skills are emphasized throughout the curriculum.

Admission Requirements

Admission to the University is determined by the applicant's graduation from an accredited secondary school, academic preparation, performance and personal qualities. The Committee on Admission considers such factors as: scholastic records, results in intelligence and achievement tests, character and personal qualities, class standing, work

Prerequisite Courses

The pharmacy program is a six-year program that admits students directly out of high school. Admission to the University is determined by the applicant's graduation from an accredited secondary school, academic preparation, performance, and personal qualities. Please visit the College of Pharmacy website for more information.

Statistics for 2009 Entering Class Acceptees

Number interviewed	NA
Number accepted	827
Estimated entering class size	270
Estimated male (%)	42%
Estimated female (%)	58%
Estimated out-of-state (%)	16%

Application Process and Requirements

Participates in PharmCAS: *No*
Deadline for receipt of applications: *February 1*
Supplemental application required: *No*
Supplemental application fee: *Not applicable*
Expected GPA: *Not reported*
Minimum overall GPA considered: *Not reported*
Minimum prerequisite GPA considered: *Not reported*
PCAT required: *No*
Minimum PCAT scores considered: *Not applicable*
Oldest PCAT scores considered: *Not applicable*
Interview required: *No*

experience, honors and awards. College Entrance Board Tests (SAT), with the exception of achievement tests, are required. Applicants to the first year of the pharmacy program are required to have completed sixteen units of high school work (including English, mathematics, laboratory sciences, and humanities and social sciences) in an accredited four-year secondary school. No student who because of academic or disciplinary reasons has been placed on probation in another institution is eligible for admission to the College of Pharmacy and Allied Health Professions. Admission to the Pharm.D. program is highly competitive, and admission and scholarship criteria are determined each year on the strength of the applicant pool.

Applicants are encouraged to visit the campus. Applicants wishing to meet with current students and/or attend classes should contact the University Office of Admission.

For Further Information

Office of Admissions
St. John's University
8000 Utopia Parkway
Queens, New York 11439
718-990-2000
www.stjohns.edu

Touro College of Pharmacy–New York

Accreditation Status: *Candidate*

Type of Institution: *Private*

Main Campus: *New York, NY*

Branch Campus(es): *None*

Satellite Program(s): *None*



General Information

Touro College of Pharmacy, located in New York City, is a four year Doctor of Pharmacy program. The College is ideally situated in the Harlem community of Manhattan, home to a large number of health care facilities, community organizations focused on health, and an area rich in cultural heritage and diversity. Our location offers the advantage of an abundance of opportunities for student learning and career development.

A baccalaureate degree is required for admission to the program. The Doctor of Pharmacy degree program at Touro is uniquely composed of two years of classroom experiences and two years of professional practice and public health experiences. Students receive individualized attention through small classes and a highly qualified faculty who are accessible and available to meet with students and provide one-on-one sessions.

Mission/Vision

The core values of the Touro College of Pharmacy reflect a commitment to providing educational and professional opportunities and fostering access to underserved populations. With a class size of 100 students per year and a program focus on communication, community engagement, population health, and leadership skills, our graduates will be highly sought after by the employment community.

Curriculum

Courses in biological sciences, biomedical sciences, public health, pharmaceutical sciences, clinical sciences, and pharmacy practice form an essential part of the curriculum. The experiential years of our curriculum are designed to provide community based education in health care facilities, public health agencies, and advocacy experiences. Elective course offerings and a “Capstone Project” in the fourth year allow expansion of the

knowledge and skills to practice pharmacy in the 21st century.

Admission Requirements

Touro College of Pharmacy’s mission includes incorporating public health education in the training of pharmacists. The goal of the curriculum is to educate patient-centered practitioners to engage in the community from both pharmacy practice and public health perspectives. To accomplish this level of education it is necessary to move introductory level basic science courses into the pre-pharmacy education requirements. A baccalaureate degree is required. The baccalaureate education will enable the students to mature in their educational skills and practices in order to participate in the critical thinking requirements in the pharmacy curriculum.

For students entering fall 2011, in semester hours:

Completion of all science and math courses (semester hours) listed with letter grade of “C” or better:

- General inorganic chemistry with lab (8)
- Organic chemistry with lab (8)
- Biochemistry (3-4)
- Biology with lab (8)
- Human anatomy with lab (3-4)
- Physiology with lab (or combination A & P I and II) (3-4)
- or combination Anatomy & Physiology I and II (6-8)
- Microbiology with lab (3-4)
- Calculus (3-4)
- Microeconomics (3-4)
- Statistics, with biostatistics preferred (3-4)

Suggested electives to support a patient-centered curriculum:

- Psychology
- Human growth and development
- Anthropology
- Sociology

A minimum cumulative and science GPA of 2.75 is required. Candidates who qualify for interviews typically have GPAs higher than 2.75.

The Pharmacy College Admission Test (PCAT) is required for all candidates.

For Further Information

Office of Student Affairs
Touro College of Pharmacy
230 West 125th Street
New York, NY 10027
admissions.pharmacy@touro.edu
www.touro.edu/pharmacy

Prerequisite Courses

Course	Semester Hours
Biology with lab	8
General inorganic chemistry with lab	8
Organic chemistry with lab	8
Biochemistry	3-4
Human anatomy with lab	3-4
Physiology with lab	3-4
or Anatomy and Physiology I and II	6-8
Microbiology with lab	4
Calculus	3-4
Microeconomics	4
Statistics (<i>with biostatistics preferred</i>)	3-4

Statistics for 2009 Entering Class Acceptees

Number interviewed:	137
Number accepted:	90
Estimated entering class size:	77
Estimated male (%):	45%
Estimated female (%):	55%
Estimated out-of-state (%):	66%

Application Process and Requirements

Participates in PharmCAS: *Yes*
 Deadline for receipt of applications: *January 5*
 Supplemental application required: *Yes*
 Supplemental application fee: *\$50*
 Expected GPA: *2.75*
 Minimum overall GPA considered: *2.75*
 Minimum prerequisite GPA considered: *2.0*
 PCAT required: *Yes*
 Minimum PCAT scores considered: *No minimum*
 Oldest PCAT scores considered: *2 years*
 Interview required: *Yes*

University at Buffalo, The State University of New York

School of Pharmacy and Pharmaceutical Sciences

Accreditation Status: *Full*
Type of Institution: *Public*
Main Campus: *Buffalo, NY*
Branch Campus(es): *None*
Satellite Program(s): *None*



General Information

Ranked among the top pharmacy schools in the United States and considered one of the most prestigious, the University at Buffalo School of Pharmacy and Pharmaceutical Sciences (UB SoPPS) is a national leader in education and research with an international reputation for accomplishment. Founded in 1886, UB SoPPS is the second oldest component of the University at Buffalo (UB) and the only pharmacy school in the State University of New York (SUNY) system. UB is the largest and most comprehensive university center in the SUNY system and the first public university in New York to be admitted (in 1990) into the Association of American Universities (AAU), joining North America's other leading research universities.

The faculty of UB SoPPS has established a reputation for excellence in scholarship, teaching, and research. We have the second most productive research program in the nation with Distinguished Teaching Professors and faculty members who are recipients of the Chancellor's Awards for Excellence. Students enjoy state of the art facilities, laboratories, "smart" classrooms, and centers for research that are among the finest in the world, all in a safe, close knit setting. Thanks to a 10 to 1 student to faculty ratio, SoPPS students work side by side with faculty who have established a reputation for excellence in scholarship, teaching, clinical activities, and research.

We are pleased to announce our move to Kapoor Hall, which is located on the University at Buffalo's South Campus in 2012. Esteemed alumnus, Dr. John Kapoor, Class of 1972, very generous gift of \$5 million along with \$46 million from the State of New York, coupled with University support and other private investment, will allow the school to provide state of the art teaching and research facilities for pharmacy practice and the pharmaceutical sciences.

Mission/Vision

Our mission is to educate students in pharmacy practice and the pharmaceutical sciences, to create and disseminate knowledge in pharmacy practice and the pharmaceutical sciences, to provide patient care, and to provide services to the community at large based upon this knowledge. This mission is to be achieved consistent with the highest ethical standards and a focus on diversity and cultural sensitivity.

The mission recognizes pharmaceutical care as a mode of pharmacy practice within the health care team in which the patient is empowered to achieve the desired outcomes of drug and related therapy. The mission also recognizes that research in the broad area of the clinical and basic pharmaceutical sciences is necessary to create and maintain a body of knowledge needed for professional education, health care delivery and the advancement of science. In this context, our goal is to enhance the local, national and international leadership of SoPPS and continue it as one of the strong components of the University at Buffalo and the SUNY system. This will involve a focus on those areas of unique strength within the school and those areas that form innovative, interdisciplinary bridges within the university.

Research Opportunities

UB sits at the nexus of a groundbreaking life sciences and bioinformatics research center and our faculty has established a clinical research infrastructure dedicated to research in pharmacotherapy for infectious diseases, transplantation, oncology, neurology, geriatrics, cardiovascular, medical imaging, critical care, therapeutic drug monitoring, drug-drug interactions, and medication adherence. Working in top-flight research centers such as Center for Drug Discovery and Experimental Therapeutics (CDDDET), the Pharmacotherapy Research Center (PRC), Pharmaceutical Genetics Laboratory, UB's renowned researchers work across

disciplines to further exciting new biomedical research that improves people's lives.

The Department of Pharmaceutical Sciences has an outstanding and long-established expertise and reputation in pharmacokinetics, pharmacodynamics, and experimental therapeutics. The principal areas of research include PK/PD, drug delivery, drug metabolism and metabolomics, experimental therapeutics, cancer therapeutics, cardiovascular agents, protein therapeutics, computational biology, neuroscience, and pharmacogenetics/pharmacogenomics.

The Department of Pharmacy Practice has developed multi-center clinical research protocols that study outcomes and develop new paradigms in pharmacotherapeutic management. The program provides an environment in which students and post-doctoral residents contribute to these new initiatives. Integrated programs in modeling the disease-specific influence on the clinical pharmacology of therapeutic agents have been established; bridging these areas with pharmacogenomics, gene therapy, adaptive feedback algorithms, PK/PD response modeling and pharmacoeconomic outcomes offer the necessary ingredients for the design of optimal drug therapy regimens for the future. New genetic approaches to diagnosis and treatment, recognition of the importance of human genetic polymorphisms in drug disposition and action, an aging population, complex new diseases, and rapidly expanding basic research that needs to be related to patient care add to the mix of translational and clinical research.

Curriculum

UB SoPPS offers a four year, professional doctor of pharmacy (Pharm.D.) program followed by a minimum of two years of pre-pharmacy coursework. UB's innovative curriculum is experiential, taking the lessons of the classroom and laboratory into real world settings, where students develop crucial leadership skills and make tangible contributions to their field.

Prerequisite Courses

Course*

General or Inorganic Chemistry I with Lab
General or Inorganic Chemistry II with Lab
Organic Chemistry I with Lab
Organic Chemistry II with Lab
Introductory Biology I with Lab
Introductory Biology II with Lab
Physics I
Anatomy & Physiology (6-10 hours, any combination)
Microbiology
Calculus I
Calculus II
Statistics
Social Behavioral Science
English Composition I
English Composition II

* The School of Pharmacy and Pharmaceutical Sciences does not have a requirement for quarter or semester credit hour completion since credit hours vary among institutions. Visit the School's website for additional information.

Statistics for 2009 Entering Class Acceptees

Number interviewed: 244
Number accepted: 125
Estimated entering class size: 125
Estimated male (%): 34%
Estimated female (%): 66%
Estimated out-of-state (%): 21%

Application Process and Requirements

Participates in PharmCAS: Yes
Deadline for receipt of applications: February 1
Supplemental application required: Yes
Supplemental application fee: \$50
Expected GPA: 3.0
Minimum overall GPA considered: 3.0
Minimum prerequisite GPA considered: 3.0
PCAT required: Yes
Minimum PCAT scores considered: Not reported
Oldest PCAT scores considered: 3 years
Interview required: Yes

Students immerse themselves in clinical training in a variety of settings, including hospitals, long term care (LTC), health maintenance organizations (HMOs), hospice care, and urban and rural community health centers. Whether it's required study in the emerging field of pharmacogenomics or access to the university's Dell supercomputer cluster, UB SoPPS students' training and expertise gives them a competitive advantage as they enter the competitive workforce. More information about the curriculum can be found here: www.pharmacy.buffalo.edu/materials/PharmD/PharmDCoursesCurriculum.pdf

Admission Requirements

All regular applicants must successfully complete all prerequisite courses with a grade equal to or greater than "C" by the spring semester prior to fall admission and within five years preceding admission. Applicants may complete their prerequisites at UB and then apply to the PharmD program, or they may complete their prerequisites at another accredited institution.

The initial application is completed through Pharmacy College Application Service (PharmCAS) for all applicants except Early Assurance students (available for incoming freshmen who enter UB directly from high

school as intended pharmacy majors: <http://pharmacy.buffalo.edu/pages/36/EarlyAssurancePrePharmacy.html>). This application is followed by a Supplemental Admissions Application and Supplemental Admissions Application Fee, which is sent after receipt of the PharmCAS application. The Pharmacy College Admission Test (PCAT) is a requirement for admission for all PharmCAS applicants.

Selection is based on scholastic achievement, aptitude, personal qualifications, and evidence of motivation toward pharmacy. These are judged from the college record, grade point average, the PCAT, letters of reference and evaluation, a supplemental application, and a personal interview. In addition to intellectual and academic competence, the School's Admissions Committee considers communication skills, leadership ability, community service, health care related or research experience, and motivation for pursuing a career in pharmacy.

Other Programs

Our programs in Pharmaceutical Sciences prepare students to develop treatments to prevent disease and improve health. Applicants are attracted by our cutting edge undergraduate (B.S. and B.S./M.S.) and graduate (M.S. and

Ph.D.) programs in pharmacokinetics, pharmacodynamics, and biopharmaceutics, which are considered the best in the world! Graduate programs in pharmaceutical sciences provide training in aspects of drug action including drug analysis, delivery, toxicity and mechanisms of effect. Research involves drug discovery, pharmacometrics, pharmacokinetics, pharmacodynamics, pharmacology, and pharmacogenetics. Visit <http://pharmacy.buffalo.edu/pages/104/PharmaceuticalSciencesDepartment.html> for more information about the Pharmaceutical Sciences programs.

Applicants are also attracted by the excellence of our doctor of pharmacy (Pharm.D.) and combined degrees (Pharm.D./MBA, Pharm.D./JD, Pharm.D./M.P.H., Pharm.D./Ph.D., and Pharm.D./M.S.). Visit <http://pharmacy.buffalo.edu/pages/37/CombinedDegrees.html> for more information about our combined degree programs.

For Further Information

School of Pharmacy and Pharmaceutical Sciences
Office of Admissions and Advisement
112 Cooke Hall, Buffalo, NY 14260
716-645-2825
Pharm_admin@buffalo.edu
www.pharmacy.buffalo.edu/admissions

Albany College of Pharmacy and Health Sciences

Accreditation Status: Full
Type of Institution: Private
Main Campus: Albany, NY
Branch Campus(es): None
Satellite Program(s): Colchester, VT



General Information

Established in 1881, Albany College of Pharmacy and Health Sciences is a private, independent institution dedicated to the advancement of health. Currently, there are more than 1,500 students enrolled at the College and approximately 100 full and part-time faculty.

The College offers a Doctor of Pharmacy (Pharm.D.) program; four year bachelor's degrees in Pharmaceutical Sciences, Health and Human Sciences and Biomedical Technology; and a certificate program in Cyto-technology. Students may also pursue joint degrees in the fields of medicine, law and business through cooperative agreements with area institutions.

ACPHS also offers master's degrees in Pharmaceutical Sciences, Health Outcomes Research and Pharmacy Administration.

The College has significantly expanded its research capabilities in recent years, leading to increased opportunities for students to work with faculty on government and industry funded research.

ACPHS students interested in research have an array of resources at their disposal, including an animal research facility and two research institutes. Investigators at the Pharmaceutical Research Institute (PRI) pursue the discovery of new drugs, evaluate drug formulations and seek novel ways to deliver medicines to the body. PRI also encompasses the Center for NanoPharmaceuticals, whose pioneering use of nanotechnology and biotechnology is accelerating the drug discovery and development process.

Students interested in the field of pharmacoeconomics may work with faculty at the Research Institute for Health Outcomes (RIHO). RIHO was created in 2006 in response to the growing need for high quality, scientifically sound medical and financial

data. The Institute conducts statistical analyses and comparative effectiveness research to better understand which courses of treatment are in the best interests of physicians, patients and payers.

The College also has interdepartmental groups of faculty dedicated to the study of Infectious Disease and Nephrology.

The ACPHS satellite campus is located in Colchester, Vermont, just outside of Burlington, the state's largest city. The campus is located on the eastern edge of Lake Champlain and is in close proximity to several academic institutions and health care facilities. It is the only pharmacy program in the state, and it will eventually be the home to nearly 300 students.

The ACPHS Vermont campus offers a four year Doctor of Pharmacy degree. Students interested in applying to the program must possess a pre pharmacy education or a baccalaureate degree in a relevant discipline.

Mission/Vision

Albany College of Pharmacy and Health Sciences is committed to the advancement of health care through its offering of nationally acclaimed undergraduate and graduate education, post graduate training programs and research in pharmacy, pharmaceutical sciences and health sciences. The College will continue its strong advocacy for lifelong intellectual and professional growth by providing a strong foundation in the basic, pharmaceutical, clinical and social sciences within a culture that promotes innovation, service and excellence among our students, faculty, staff and alumni.

Curriculum

ACPHS's Doctor of Pharmacy program integrates a liberal arts core with the pharmaceutical sciences. The entry-level Pharm.D. program is designed for high school gradu-

ates or transfer students. The two year pre-pharmacy program includes courses in the basic sciences and humanities. The first three years of the professional pharmacy program (P1-P3) includes coursework designed to expand students' knowledge and skills in pharmaceutical and clinical sciences in addition to introductory pharmacy practice experiences. The final professional year (P4) focuses on advanced pharmacy practice experiences - from the application and communication of clinical and pharmaceutical sciences to patient care.

Admission Requirements

ACPHS accepts students into its fall semester at two distinct entry points. High school students may apply for pre-professional coursework to attend the six-year program, while applicants who have completed the necessary prerequisite coursework may apply as transfers into the third year of the six-year program.

High school students apply directly to ACPHS using the application that can be found at <http://www.acphs.edu>. Applicants must have graduated from an accredited secondary school, taken the SAT or ACT, and completed the prerequisite coursework.

Applicants applying to transfer into the third year of the six-year program must have taken or plan to take the below coursework prior to matriculating to ACPHS. Transfer applicants must apply using PharmCAS and submit transcripts, PCAT scores, and all necessary information directly to PharmCAS.

A minimum of a "B" grade in each prerequisite course is needed; courses with "B-" and below will not transfer.

All science courses, with the exception of physics, should include a lab and be the courses required of science majors.

Prerequisite Courses

Course (high school)	Years
English	4
Mathematics (including at least Pre-Calculus)	4
Science (including Chemistry)	3
Academic college preparatory electives, 6 units	

Course (transfer students)	Semester Hours
General Biology I and II	8
General Chemistry I and II	8
Organic Chemistry I and II	8
General Physics I and II	6
Microbiology	4
Introductory Psychology	3
Humanities	9
Statistics	3
Calculus	3
Public Speaking	3
Liberal Arts Electives	9

Statistics for 2009 Entering Class Acceptees

Number interviewed:	840
Number accepted:	267
Estimated entering class size:	267
Estimated male (%):	42%
Estimated female (%):	58%
Estimated out-of-state (%):	20%

Application Process and Requirements

Participates in PharmCAS: *Yes*
 Deadline for receipt of applications: *March 1*
 Supplemental application required: *Yes*
 Supplemental application fee: *\$100*
 Expected GPA: *3.0*
 Minimum overall GPA considered: *2.5*
 Minimum prerequisite GPA considered: *2.5*
 PCAT required: *Yes*
 Minimum PCAT scores considered: *Not reported*
 Oldest PCAT scores considered: *3 years*
 Interview required: *Yes*

*Humanities courses can be taken from English Literature, Composition, U.S. History, Western Civilization or cross-disciplinary humanities courses.

**Liberal arts electives can be taken from the following departments and course types: Art, Music, Sociology, History, Psychology, Foreign Language, Political Science or English.

All applicants are encouraged to apply early for the fullest consideration of their application.

TOEFL scores must be submitted by any applicant who has not received instruction in English for at least ten years.

Other Programs

- Bachelor of Science in Pharmaceutical Sciences
- Bachelor of Science in Biomedical Technology
- Bachelor of Science in Health and Human Sciences
- Master of Science in Pharmaceutical Sciences
- Master of Science in Health Outcomes Research
- Master of Science in Pharmacy Administration

Please visit the Web site for more information on these programs.

For Further Information

Office of Admissions
 Albany College of Pharmacy and Health Sciences
 106 New Scotland Avenue
 Albany, NY 12208
 Phone: 518-694-7221
 Fax: 518-694-7322
 www.acphs.edu

Campbell University

College of Pharmacy and Health Sciences



Accreditation Status: Full
Type of Institution: Private
Main Campus: Buies Creek, NC
Branch Campus(es): None
Satellite Program(s): None

General Information

Campbell University was founded in January 1887. In 1925, all the property was deeded to the North Carolina Baptist State Convention. In 1926, the school attained junior college status and became known as Campbell Junior College. In 1961, the institution became Campbell College, reflecting its new status as a senior college. Graduate studies were instituted in 1977 with the master of education in 1978. Campbell received university status in 1979 and the master of science in government followed in 1982. The School of Law was established in 1976, the School of Business in 1983 and the School of Education in 1986.

The School of Pharmacy at Campbell University was initiated in September of 1986. The School of Pharmacy offers the doctor of pharmacy degree as its sole professional degree. Students receive their clinical education at the Duke University Medical Center as well as veterans' administration hospitals in Fayetteville and Durham, the Bowman Gray Medical Center of Wake Forest University and the medical school hospitals and campus at East Carolina University in Greenville. In addition, many community pharmacies and clinics in the Buies Creek area have been designated as clinical training sites for the Pharm.D. candidates. Students in the Campbell University School of Pharmacy also have the option of doing rotations in basic and clinical research with the pharmaceutical industry in the Research Triangle Park. Class size is limited to 100 students per class, with a faculty of 50 professors.

Students at Campbell University enjoy a wide variety of extracurricular activities in addition to the academic demands of the School of Pharmacy. Campbell participates in several intercollegiate sports and many social activities are offered.

Students in the School of Pharmacy are governed by their peers in student government. Students are expected to abide by the

code of honor which dictates standards for academic performance and student conduct in the University.

Campbell University offers several residence halls for both male and female students. Pharmacy students enjoy the privacy of living in dormitory areas that have been designated especially for them. In addition, several off campus housing opportunities are available. The Office of Admissions in the School of Pharmacy will assist students in securing off campus housing if they so desire.

Mission/Vision

The mission of the College of Pharmacy & Health Sciences is to educate students in a Christian environment to be pharmacists or pharmacy related professionals who will meet existing and future health care needs and who will provide leadership to their profession and to organizations that represent pharmacy.

Curriculum

The prepharmacy curriculum for admission to the Pharm.D. program at Campbell University has been designed to ensure a student's basic understanding of the sciences as well as liberal arts. The curriculum consists of a strong core in the physical sciences in addition to mathematics and communications skills. The liberal arts component has been prescribed to ensure that a student will receive a well rounded education and can converse well with their peers and society upon graduation.

The professional curriculum in the School of Pharmacy has been constructed very much the same as that found in medical schools today. Our students receive two years of basic sciences entitled 'The Pharmaceutical Sciences' with courses that include anatomy and physiology, biochemistry, immunology, medical microbiology, pharmacology, pharmaceuticals, etc. The last two years of the Pharm.D. program are designated for the

clinical science portion of the curriculum. Under the chairman of the Department of Pharmacy Practice, students receive courses in diagnosis and therapeutics, in addition to clinical clerkships in the areas of internal medicine, cardiology, pulmonary medicine, pediatrics, geriatrics, ambulatory care, emergency medicine, infectious diseases, metabolic support, drug information, etc. Clerkships in several other clinical disciplines are also available to students.

Campbell University School of Pharmacy provides a unique learning environment where Doctor of Pharmacy students may concurrently pursue an additional Master's degree. Qualified students may choose to complete a Master of Business Administration, Master of Science in Clinical Research, or Master of Science in Pharmaceutical Sciences while obtaining their Doctor of Pharmacy degree. These programs provide additional work to the rigorous Pharm.D. curriculum; however, they provide a perfect opportunity for students to differentiate themselves from their peers by providing additional educational experiences. The outcome is a more diversified graduate with greater opportunities for advancement and success in a variety of healthcare positions.

The B.S. in Pharmaceutical Sciences has been added to the academic programs of the School of Pharmacy. The two year curriculum, which begins upon completion of the pre pharmacy requirements mentioned above, is designed to prepare graduates for technical careers in the pharmaceutical and related industries. Individuals holding this degree are not qualified for licensure as a pharmacist. A M.S. in Pharmaceutical Sciences program began in Fall 2001.

The School of Pharmacy offers two programs to prepare students for distinguished careers in clinical research. The bachelor's level program is ideally suited to prepare clinical monitors or coordinators for work in contract research organizations (CRO's), pharmaceuti-

Prerequisite Courses

Course	Semester Hours
English Composition	6
Biological Sciences	8
General Chemistry	8
Organic Chemistry	8
Physics	4
Calculus	3
Economics/Accounting	3
Electives	12
Humanities	6
Social Sciences	6

Statistics for 2010 Entering Class Acceptees

Number interviewed:	227
Number accepted:	146
Estimated entering class size:	108
Estimated male (%):	31%
Estimated female (%):	69%
Estimated out-of-state (%):	22%

Application Process and Requirements

Participates in PharmCAS: *Yes*
 Deadline for receipt of applications: *March 1*
 Supplemental application required: *Yes*
 Supplemental application fee: *\$25*
 Expected GPA: *Not reported*
 Minimum overall GPA considered: *2.5*
 Minimum prerequisite GPA considered: *2.5*
 PCAT required: *Yes*
 Minimum PCAT scores considered: *Not reported*
 Oldest PCAT scores considered: *5 years*
 Interview required: *Yes*

cal companies, or academia. The master's level program is intended to provide training for individuals who hold degrees in the health related professions such as human and veterinary medicine, pharmacy, dentistry, nursing, and the allied health fields. We envision that graduates may progress from project leader/manager to clinical directors and higher level positions.

Admission Requirements

Applicants to the Campbell University Pharm.D. program are reviewed and evaluated on the following selection criteria: academic performance in the prepharmacy curriculum at an accredited college or university in the United States; a personal admissions interview with a member of the Admissions Committee in which the applicants will be evaluated on their ability to communicate and express sincerity and motivation to pursue a career in the profession of pharmacy; letters of recommendation; satisfactory completion of the Pharmacy College Admission Test (PCAT); completion of the requirements set forth by the University for all applicants such as submission of transcripts for all college work completed and medical forms, etc.

Students are evaluated and admitted for the class that commences in the fall of each aca-

demical year. At this time, spring admissions are not being considered. Since Campbell University is a private institution, students can compete for admission equally without regard to their home state, sex, race, creed, color or national origin.

The admissions process of the School of Pharmacy of Campbell University is designed to ensure that students will succeed academically in the school of pharmacy; to confirm that students are willing to comply with the rigors of a pharmaceutical education; to ensure that students are dedicated to the pursuit of a Pharm.D. degree in order to offer the highest level of practice available to patients; to determine that students will represent Campbell University in a favorable manner upon graduation; and to confirm that students understand the professional demands of a pharmacist in our society.

For Further Information

Campbell University
 College of Pharmacy and Health Sciences
 Office of Admissions & Student Affairs
 217 Main St.
 P. O. Box 1090
 Buies Creek, NC 27506
 800-760-9734, Ext. 1690
<http://campbellpharmacy.net>

University of North Carolina at Chapel Hill

Eshelman School of Pharmacy

Accreditation Status: *Full*
Type of Institution: *Public*
Main Campus: *Chapel Hill, NC*
Branch Campus(es): *None*
Satellite Program(s): *Elizabeth City, NC*



General Information

The UNC Eshelman School of Pharmacy at the University of North Carolina at Chapel Hill is recognized as one of the leading pharmacy education programs in the nation. The School supports progressive pharmacy practice by teaching future pharmacists the skills needed to become clinical pharmacist practitioners as defined by North Carolina's Pharmacy Practice Act. The School's hallmark programs include the Pharmaceutical Care Laboratory, which is a five course series designed to integrate and apply content across the curriculum, and the Enhanced Pharmaceutical Care Center, a collaborative arrangement between the School of Pharmacy and Kerr Drug Company, a regional pharmacy chain, that gives our students real world experience in the practice of pharmacy.

UNC pharmacy students regularly leave the classroom to serve the community by staffing weekly indigent care clinics, health fairs, brown bag medication reviews, and a variety of health screenings. Students are encouraged to attend state, regional, and national meetings of professional pharmacy organizations.

Faculty and students get to know each other well, learning together and working together. The School's Honors Program provides the opportunity for students to develop research skills while working under the tutelage of a faculty mentor.

The School of Pharmacy is located in close proximity to the Schools of Medicine, Dentistry, Nursing, and Public Health and to the modern, well equipped Health Sciences Library, one of more than twenty libraries on campus. This arrangement provides ample opportunity for collaboration between researchers and allows pharmacy faculty to bring real clinical cases into the classroom.

UNC Chapel Hill is a major research uni-

versity with a top teaching hospital. The University is one corner of North Carolina's famous Research Triangle. Pharmacy faculty and students have access to leading clinical research organizations, to North Carolina's acclaimed Area Health Education Centers, to government and regulatory agencies, and to pharmaceutical and biotechnology companies ranging from global manufacturers to small, one product ventures.

As the nation's oldest public university, the University of North Carolina is well known for its tradition of strong academics, its beautiful campus, nationally ranked sports teams, and a pleasant climate. Chapel Hill is widely regarded as one of the best college towns in America. Students and visitors enjoy its historic neighborhoods, restaurants and shopping, museums and theaters, and many parks and recreational facilities.

Mission/Vision

The UNC Eshelman School of Pharmacy's mission is to advance health care through innovation and collaboration in pharmacy practice, education, research, and public service. This will be done by 1) creating and maintaining contemporary educational experiences, progressive practice models, and competitive research programs; 2) applying new knowledge that contributes to the economic development of North Carolina; 3) recruiting, mentoring, and retaining the highest quality faculty, staff, and preceptors and recruiting and mentoring exceptional students and trainees; 4) delivering and promoting postgraduate education and training for career and leadership development; 5) establishing and sustaining partnerships, collaborations, and strategic alliances to advance the mission; 6) embracing and supporting the network of alumni and professional colleagues; 7) providing outreach and service to the citizens of North Carolina and beyond; and 8) fostering an environment that values diversity, creative thought, and academic freedom.

Curriculum

The UNC Eshelman School of Pharmacy offers the doctor of pharmacy (Pharm.D.) degree as well as graduate degrees (M.S., Ph.D.) in pharmaceutical sciences with concentrations in molecular pharmaceuticals, medicinal chemistry and natural products, pharmacotherapy and experimental therapeutics, and pharmaceutical outcomes and policy. A master of pharmacy with specialization in hospital pharmacy systems is also available. In addition, postgraduate training in the form of pharmacy-practice residencies, specialty residencies, drug-development fellowships, and pharmacokinetic fellowships is available.

The foundation of the doctor of pharmacy curriculum is pharmaceutical care. UNC's curriculum is interdisciplinary with emphasis on both the scientific foundations and the clinical applications of knowledge. In addition to enrolling 140 students each year on the UNC campus, 10 to 15 students are also enrolled at Elizabeth City State University in the Doctor of Pharmacy Partnership Program.

Admission Requirements

Applicants for admission to the School must be eligible for admission to the University of North Carolina. Applicants are selected on a competitive basis based on scholarship, character, industry, Pharmacy College Admissions Test (PCAT) scores, and an interview. Note that all math and science prerequisites must be completed with a grade of "C-" or better prior to beginning the professional program, although they need not be completed at the time the application is submitted.

Selected candidates are interviewed by faculty and alumni. The Admissions Committee is most impressed by applicants who have demonstrated motivation, professional attitudes and behaviors, and exploration of the pharmacy field in addition to academic excellence (minimum GPA considered is a 2.8). Every

Prerequisite Courses

Course	Semester Hours
General Chemistry (<i>Chem 101/101L and 102/102L</i>)	8
Analytical Chemistry (<i>Chem 241 - UNC-Chapel Hill undergrads only</i>)	3
Organic Chemistry (<i>Chem 261 / 241L and 262/262L</i>)	7-8
Principles of Biology with Lab (<i>Biol 101/101L</i>)	4
Human Anatomy and Physiology (<i>Biol 252/252L</i>)	4
Microbiology (<i>MCRO 251 or 255</i>)	4
General Physics (<i>PHYS 24/24L and 25/25L, 25 L not required of students taking CHEM 241</i>)	4-8
Calculus of One Variable (<i>MATH 231</i>)	3
Statistics (<i>MATH 151 or 155</i>)	3
English composition and rhetoric (<i>ENGL 101 and 102</i>)	6
Foreign Language through level 3	7-10
Social and Behavioral Sciences	9
U.S. Diversity	3
Global Issues	3
Humanities and Fine Arts	9
Lifetime Fitness	1

Statistics for 2009 Entering Class Acceptees

Number interviewed:	284
Number accepted:	209
Estimated entering class size:	153
Estimated male (%):	30%
Estimated female (%):	70%
Estimated out-of-state (%):	28%

Application Process and Requirements

Participates in PharmCAS: Yes
 Deadline for receipt of applications: November 1
 Supplemental application required: Yes
 Supplemental application fee: \$77
 Expected GPA: 3.5
 Minimum overall GPA considered: 2.8
 Minimum prerequisite GPA considered: 2.8
 PCAT required: Yes
 Minimum PCAT scores considered: 65th percentile
 Oldest PCAT scores considered: No limit
 Interview required: Yes

effort is made to encourage the enrollment of students with a variety of cultural, economic and social backgrounds.

Applications are accepted only for fall semester and the deadline is November 1 of the preceding year. Applications are available through the PharmCAS system. Completion of a supplemental application and payment of an application fee are also required by the November 1 deadline. Please visit <http://pharmacy.unc.edu> for more information.

Financial Aid

Office of Scholarships and Student Aid
 The University of North Carolina at Chapel Hill
 CB#2300, 300 Pettigrew Hall
 Chapel Hill, NC 27514-2300
 919-962-8396
www.studentaid.unc.edu

For Further Information

Pharm.D. Admissions

Office of Student Services
 UNC Eshelman School of Pharmacy
 CB 7566, 100 Beard Hall
 Chapel Hill, NC 27599-7566
 919-966-9429
pharmacy_admissions@unc.edu
<http://pharmacy.unc.edu>

Graduate Program Admissions

Office of Research and Graduate Education
 UNC Eshelman School of Pharmacy
 CB 7360, 29 Beard Hall
 Chapel Hill, NC 27599
 919-843-9759
amber_allen@unc.edu
<http://pharmacy.unc.edu>

Wingate University

School of Pharmacy

Accreditation Status: *Full*
Type of Institution: *Private*
Main Campus: *Wingate, NC*
Branch Campus(es): *None*
Satellite Program(s): *None*



General Information

Wingate University is located approximately 18 miles southeast of Charlotte, North Carolina. The Wingate University School of Pharmacy opened its doors to applicants in 2002, with the charter class beginning its program of study in August 2003. The charter class graduated from Wingate University in May 2007. The class size has been capped at 76 to assure special attention to every student. All Wingate University pharmacy faculty have made a commitment to excellence in the classroom; and all classes are taught by faculty possessing terminal doctoral degrees. No courses, discussions, case studies, or laboratories are taught by teaching assistants or graduate students.

The Wingate University School of Pharmacy is in strict compliance with the accreditation guidelines of the Accreditation Council for Pharmacy Education (ACPE). Full ACPE accreditation was awarded in 2007 and reaffirmed in 2009.

The five salient qualities and expectations of the Wingate University School of Pharmacy graduate are: (i) outstanding moral character, (ii) excellence in interpersonal communication skills, (iii) complete competence in pharmaceutical care, (iv) strong abilities in problem solving, and (v) the highest professional commitment to the patient, the community, and the employer.

Mission/Vision

The Wingate University School of Pharmacy intends to be a nationally recognized leader in the education of students and pharmacists for the practice of pharmacy in all the patient care settings for all patients.

Wingate seeks to pursue its mission by providing an individualized, state of the art learning environment that will facilitate the development of its students' critical thinking and problem solving skills for the pursuit

of pharmaceutical care. Subordinate to the primacy of Wingate's teaching mission are scholarly and service pursuits. Wingate will stimulate scholarly inquiry and will facilitate service to patients, to the community, to the health care professions, and to the institution. Consistent with the student centered focus of the University, limited enrollment will allow for practice experience during each year of the curriculum and the low student to faculty ratio necessary for the fulfillment of the School's stated mission.

Curriculum

The academic program of the Wingate University School of Pharmacy is student centered. The overarching goal of the curriculum is the assurance of the mastery of the knowledge, skills, abilities, and attitudes prescribed by the profession and by society for the pharmacist of tomorrow. This unique curricular approach has been carefully crafted for continuous quality improvement of its structure and content. Its endpoint can be seen in the healthcare servant of tomorrow whose commitment to competence does not end upon graduation and whose dedication to the service of mankind is evident in all considerations and actions undertaken.

Admission Requirements

Wingate University Pharm.D. Admission considerations are based upon (i) completion of the entrance requirements, (ii) prepharmacy requirement grade point average, (iii) math and science grade point average, (iv) PCAT score, (v) personal interview, (vi) problem solving skills (demonstrated in an on-site consensus building exercise), (vii) letters of recommendation.

Prepharmacy requirements may be taken at Wingate University or any other accredited institution in the United States.

Other Programs

Accepted students who qualify may enroll in the concurrent Pharm.D./MBA dual degree program.

For Further Information

Jean Tarlton
Coordinator of Pharmacy Admissions
704-233-8324
Fax: 704-233-8332
pharmacy@wingate.edu
www.pharmacy.wingate.edu

Prerequisite Courses

Course	Semester Hours
General Biology with lab (<i>for science majors</i>) . . .	4
Anatomy & Physiology	4
General Microbiology (with lab)	4
General Chemistry with lab (<i>for science majors</i>) .8	
Organic Chemistry with lab (<i>for science majors</i>) .8	
Physics	4
Calculus	3-4
English Composition/Literature	6
Statistics	3
Economics (<i>Macro, Micro or General</i>)	3
Public Speaking/Interpersonal Communications.	3
Humanities/Social Sciences.	9
Other.	3

Statistics for 2010 Entering Class Acceptees

Number interviewed:	170
Number accepted:	95
Estimated entering class size:	78
Estimated male (%):	40%
Estimated female (%):	60%
Estimated out-of-state (%):	48%

Application Process and Requirements

Participates in PharmCAS: Yes
 Deadline for receipt of applications: February 1
 Supplemental application required: Yes
 Supplemental application fee: \$25
 Expected GPA: 3.0
 Minimum overall GPA considered: 3.0
 Minimum prerequisite GPA considered: 3.0
 PCAT required: Yes
 Minimum PCAT scores considered: 50th percentile
 Oldest PCAT scores considered: 5 years
 Interview required: Yes

North Dakota State University

College of Pharmacy, Nursing and Allied Sciences



Accreditation Status: Full
Type of Institution: Public
Main Campus: Fargo, ND
Branch Campus(es): None
Satellite Program(s): None

General Information

North Dakota State University, a land grant institution, was founded in 1890. Courses for a two year program in pharmacy were initiated in 1902. Since then, courses and requirements have expanded to the present six year entry level Pharm.D. program. The College also offers M.S. and Ph.D. degrees in pharmaceutical sciences. The College has an excellent complement of clinical faculty at various teaching sites across the state.

Within the College of Pharmacy, Nursing, and Allied Sciences, students may become active in student government, Kappa Epsilon, Kappa Psi, Rho Chi, Phi Lambda Sigma, National Community Pharmacists Association, North Dakota Society of Health Systems Pharmacists, and the Academy of Students in Pharmacy and as student representatives on various college committees.

Mission/Vision

The NDSU College of Pharmacy, Nursing, and Allied Sciences advances health care through research and scholarship and prepares students to become competent, caring, ethical, professionals and citizens, committed to lifelong learning.

We envision a College that is a leader in pharmacy, nursing, and allied sciences education with human, physical, and financial resources appropriate to fulfill its mission; a College which fosters the acquisition and discovery of new knowledge through research and scholarship; and a College that enhances the provision of patient focused care through all its disciplines for the well being of the public.

Patient Focused Care:

Our College believes that the primary purpose of its respective disciplines is to deliver patient focused care to improve the overall health and quality of life of patients they serve.

Interdisciplinary Team Approach:

Our College recognizes and values an interdisciplinary team approach to patient care, education, and research where each discipline works collaboratively to attain greater knowledge, expertise, and outcomes than what they are capable of accomplishing individually.

Curriculum

The curriculum is designed to provide students with the cultural and humanistic background needed to meet the demands of society today, as well as the professional knowledge and skill required for the practice of pharmacy in whatever setting the students may later choose.

In the first two years of the curriculum (prepharmacy) emphasis is placed on chemical, biological, administrative, behavioral and social sciences and humanities needed for the four year professional pharmacy curriculum. The third, fourth and fifth years provide the students with the professional educational background necessary for the sixth year of clinical rotations. In addition to general adult medicine, students may pursue rotations in specialized areas of interest such as pediatrics, oncology, nutrition, infectious disease, pharmacokinetics, cardiology, family practice, ambulatory care, critical care, rural health, managed care, endocrinology, psychiatry and rehabilitation.

Admission Requirements

The prepharmacy program is open to all high school graduates and college transfer students who have not completed the requirements to enter the professional pharmacy curriculum. To enter the prepharmacy program students must obtain admission to the University.

A student enrolling as a freshman or sophomore must have taken the ACT or SAT and have graduated from high school with a minimum of 17 academic units, of which at least 4

must be in English, 3 in mathematics, and 3 in laboratory courses in the physical and biological sciences. Three units in social sciences and 6 units of humanities and fine arts are required. In addition, a transfer student must submit transcripts of all previous college or university work for equivalency evaluation.

Students may apply for admission to the professional pharmacy program upon satisfactory completion of the prepharmacy program or evidence that this program will be successfully completed. The prepharmacy program is composed of 65 semester credits. A copy of the prepharmacy curriculum may be obtained by writing to the College, or by checking the Web site.

Admission to the University does not grant admission to the professional program. All students must apply and be formally accepted by the Admissions Committee of the College of Pharmacy before they may begin the sequence of professional courses in the Pharm.D.

The size of the entering class is limited by the resources of the College and the capacity of the clinical facilities. As North Dakota State University is a state supported institution, residents of North Dakota will be given first consideration. A cumulative GPA of 3.0 (4.0 = A) is required for evaluation.

Acceptance to the professional program is based on previous academic performance, PCAT scores, interview scores, the applicant's residency and the number of spaces available in the program.

Opportunities are provided for students to demonstrate evidence of college level achievement through the use of the College Level Examination Program (CLEP), for prepharmacy placement.

A program fee equal to ND in state tuition is assessed to students enrolled in the professional program.

Prerequisite Courses

Course	Semester Hours
Chemistry I and II with Labs	8
Organic Chemistry I with Lab and II	7
Calculus I and II	8
Biology with Lab	4
Human Anatomy & Human Physiology with Labs	8
Introductory or General Microbiology with Lab 3	3
Medical or Pathogenic Microbiology	3
English	6
Speech Communication	3
Economics (<i>Micro or Elements</i>)	3
Humanities & Fine Arts	6
Social & Behavioral Sciences	3
Wellness	2
Physics	3

Statistics for 2009 Entering Class Acceptees

Number interviewed:	106
Number accepted:	85
Estimated entering class size:	85
Estimated male (%):	44%
Estimated female (%):	56%
Estimated out-of-state (%):	46%

Application Process and Requirements

Participates in PharmCAS: *No*
Deadline for receipt of applications: *January 1*
Supplemental application required: *Yes*
Supplemental application fee: *\$100*
Expected GPA: *3.6*
Minimum overall GPA considered: *3.0*
Minimum prerequisite GPA considered: *3.0*
PCAT required: *Yes*
Minimum PCAT scores considered: *35th percentile*
Oldest PCAT scores considered: *3 years*
Interview required: *Yes*

Other Programs

Pharmaceutical Sciences (M.S., Ph.D.)

NDSU offers both M.S. degrees and Ph.D. degrees in Pharmaceutical Sciences. The graduate program emphasizes both research and teaching excellence. Our size allows us to offer individual attention to the graduate students. The master's program requires a minimum of 30 semester credit hours and thesis research. The doctor of philosophy degree is awarded in recognition of high scholarly achievement as evidenced by a period of successful study, the satisfactory completion of examinations and the development of an acceptable dissertation project covering some significant aspect of a major field of learning and research. Students with a bachelor of science degree in biology or chemistry must have an adequate background for graduate work in the College. After successful completion of either degree program students have had a high level of success gaining highly desirable employment in academia, industry and governmental agencies doing work in pharmaceutical sciences.

Pharm.D./MBA Option

The Master of Business Administration program at North Dakota State University is a non-thesis, professional program structured to serve qualified students with undergraduate degrees in various fields. The program is de-

signed to provide the student with an effective set of analytical skills, a broad view of the way organizations work, and an understanding of the functional areas of business. The NDSU program takes a generalist approach to business education while providing a variety of electives to give the student the opportunity to pursue a particular area of interest in business or a related discipline.

Students admitted to the Pharm.D. program may choose this option as a method of reducing the time needed to earn a Master of Business Administration (MBA) degree. Students must be admitted to both the Pharm.D. program as well as the MBA program in order to pursue this option. Students interested in pursuing this option need to see Dr. Friesner, Interim Associate Dean of Student Affairs, to begin the process.

Pharm.D./Ph.D. Program

The dual program (Pharm.D./Ph.D.) is designed to provide an opportunity for outstanding professional students in the Pharmacy Program at North Dakota State University obtain research experience and a Doctor of Philosophy degree in the Department of Pharmaceutical Sciences.

It is proposed that this can be accomplished with an additional 3 years of study and research

placed between the second and the third years of the four-year professional program.

It is believed that the combination of the Pharm.D. and Ph.D. degrees will greatly enhance the student's research background, critical thinking skills, and marketability for leadership positions within the profession of Pharmacy in academic, government, and industrial environments.

Post-Baccalaureate Pharm.D. (Traditional)

Detailed information regarding the post-baccalaureate degree is available at: www.ndsu.edu/pharmacy/prospective_students

For Further Information

Professional Program:

North Dakota State University
College of Pharmacy, Nursing, and Allied Sciences
Dr. Daniel Friesner
Interim Associate Dean for Student Affairs
Chair, Admissions, Sudro Hall
701-231-7601
www.ndsu.edu/pharmacy

Northeastern Ohio Universities Colleges of Medicine and Pharmacy

Accreditation Status: *Candidate*

Type of Institution: *Public*

Main Campus: *Rootstown, OH*

Branch Campus(es): *None*

Satellite Program(s): *None*



Northeastern Ohio Universities
COLLEGES OF MEDICINE & PHARMACY

General Information

The Northeastern Ohio Universities College of Pharmacy, located in Rootstown, Ohio, was established at the Northeastern Ohio Universities College of Medicine in December 2005 to address a community need of a shortage of pharmacists. It is a community based, state institution that provides interdisciplinary training of health professionals, offering both a doctor of medicine (M.D.) and a doctor of pharmacy (Pharm.D.) degree. The College of Pharmacy curriculum emphasizes interdisciplinary teamwork, with pharmacy students and medical students training in many combined educational settings. This emphasis allows students to develop a broad view of patient care and work effectively with other health professionals.

The pharmacy class size is 75 members and its inaugural class began in August 2007. Pharmacy and medical students learn in renovated, state of the art lecture halls, newly designed laboratories and small group study rooms. Preferential admissions agreements allow students to complete their pre pharmacy studies at the public universities in northeast Ohio: The University of Akron, Cleveland State University, Kent State University, and Youngstown State University, and then apply to the College of Pharmacy's four year doctor of pharmacy program. Qualified students from other colleges and universities will also be accepted.

The College's clinical teaching facilities include a number of formal teaching hospitals, community hospitals and health care systems, ambulatory care clinics, private and corporate pharmacies and county Boards of Health. Although there are no residence halls on the Rootstown, Ohio, campus, the Office of Admissions and Student Services publishes a Housing Referral Book each spring to help students locate convenient housing. Extensive financial aid, professional development, student services and career counseling are available.

Mission/Vision

Northeastern Ohio Universities College of Pharmacy prepares highly skilled pharmacists who play an indispensable role in a team oriented approach to patient care and medication management services. The College's unique curriculum intermeshes with that of the Northeastern Ohio Universities College of Medicine to set new standards for inter professional education and collaboration. Its graduates will emerge as competent, caring pharmacists with strong communication skills, character, commitment to the community, and dedication to lifelong learning. The College's vision is to be recognized as the premier institution and leader in the interdisciplinary education of exceptional pharmacist patient care providers.

Curriculum

The Northeastern Ohio Universities College of Pharmacy offers a four year professional Pharm.D. curriculum, preceded by completion of a pre pharmacy undergraduate curriculum prior to enrollment. The curriculum is unique in that a significant proportion of learning is accomplished simultaneously with medical students from its College of Medicine, making it a truly interdisciplinary program of study.

The curriculum aims to prepare graduates in an interdisciplinary, team approach to health and wellness for practice in a variety of community and inpatient settings. The curriculum is based on a thematic, systems approach to learning. An emphasis is placed on the core content, knowledge and skills that learners require, rather than on disciplines to be mastered. Content is first introduced at a basic level and then reintroduced at higher levels of detail and application, with subsequent learning built on prior knowledge. Students will participate in courses integrated with medical students. Concurrently, courses in informatics, pharmaceuticals, social and behavioral sciences as well as other areas will assure that students

are prepared for their role in a changing health care environment. Each student is required to have a laptop computer as the curriculum utilizes computer based modalities of instruction and learning.

Experiential components of the curriculum, which begin from the onset, are taught throughout community pharmacies, our consortium of teaching hospitals, two Boards of Health, and hundreds of community based teaching sites. These experiences expose learners from the beginning of their training to the profession of pharmacy, as well as the varied settings in which it is practiced. These experiences will introduce learners to the community, allow them to develop a sense of the profession of pharmacy, and investigate possible career opportunities or interests.

Clinical training consists of six rotations. Students are required to have experiences in Internal Medicine, Ambulatory Care, an Underserved experience, Advanced Community, Advanced Institutional Practice experience and either Pediatrics or Geriatrics as a selective. The remaining rotation is a leadership elective, allowing the students to select an experience in keeping with their career goals and interests.

Admission Requirements

The College of Pharmacy participates in the PharmCAS national application process (www.pharmcas.org). To apply, students must complete the online PharmCAS application according to the directions, submit required application fees, and have all academic transcripts and PCAT scores forwarded to PharmCAS. A Supplemental Application and \$50 fee are also required and should be submitted to the Northeastern Ohio Universities College of Pharmacy Office of Admissions. All PharmCAS Application materials must be received by September 3, 2010 for Early Decision; November 1, 2010 for Partner Universities; and January 5, 2011 for Regular Decision.

Prerequisite Courses

Course	Semester Hours
Biology and Other Life Sciences sequence with Lab	8
Organic Chemistry sequence with Lab	8
Inorganic Chemistry sequence with Lab	8
General Physics sequence	6
Biochemistry sequence	6
Calculus	3
Statistics	3
Economics	3
Literature or Composition	6
Speech or Communication	3
Psychology	3
General Education and/or Additional Science	15

Statistics for 2009 Entering Class Acceptees

Number interviewed:	203
Number accepted:	123
Estimated entering class size:	.81
Estimated male (%):	49%
Estimated female (%):	51%
Estimated out-of-state (%):	81%

Application Process and Requirements

Participates in PharmCAS: Yes
Deadline for receipt of applications: January 5
Supplemental application required: Yes
Supplemental application fee: \$50
Expected GPA: 3.25
Minimum overall GPA considered: 2.5
Minimum prerequisite GPA considered: 2.5
PCAT required: Yes
Minimum PCAT scores considered: 50th percentile
Oldest PCAT scores considered: 2 years
Interview required: Yes

Applicants must take the preprofessional courses listed below as a foundation for the professional program in pharmacy and have completed at least two years of preprofessional coursework, earning a minimum of 72 semester hours. In addition, the following minimum requirements should be met for priority admission consideration: expected overall grade-point average of 3.25 and grade-point average of 3.25 in all science and math courses, recommended minimum composite score in the 50th percentile on the Pharmacy College Admission Test (PCAT), and no grade lower than "C-" in any required course. Lower grade-point averages may be considered by the admissions committee in the holistic review of applications.

Successful applicants should also demonstrate interest in the profession through extracurricular activities; noncognitive factors such as maturity; leadership skills and abilities, community service and volunteer experiences; work experiences, especially experience with patients in a pharmacy or health-related setting; and professional shadowing experiences. Applicants are highly encouraged to acquire volunteer or work experience in a pharmacy prior to application.

Applicants selected after an initial screening will be invited to campus for a required inter-

view. Applicants are admitted once a year for an entering class that begins in the fall. The Admissions Committee has the authority to make all admission decisions, including exceptions to the criteria based on a holistic review of an applicant.

Preference will be given to applicants who complete their prerequisites and application files early. Work experience is a desirable part of the overall application file, but it will not be used as a substitute for any prerequisite requirement. A bachelor's degree is not required prior to application for the Pharm.D. program. However, students with a baccalaureate degree or higher (or those with three or four years of college) may be considered more competitive in the admission process.

The pharmacy program has established preferential admission agreements with four partner universities in northeast Ohio. Students who complete their preprofessional pharmacy studies at any of these partner universities (The University of Akron, Cleveland State University, Kent State University, and Youngstown State University) will be eligible to apply for one of that institution's designated seats in the professional program. The College will also accept applications and students from other educational institutions through the "at large" application review.

The Pharm.D. program admits 75 students, typically by admitting 15 of the best-qualified students from each of the four partner institutions with preferential admissions agreements, and 15 students from other institutions. Minimum qualifications must be met to be admitted from the partner universities as well as from "at large" institutions.

As a publicly funded institution in Ohio, admission preference is given to Ohio residents. In addition, only U.S. citizens and permanent residents of the U.S. may be considered for admission. Students must have U.S. citizenship or permanent residency status upon application for admission.

Other Programs

- Bachelor of Science/Doctor of Medicine (B.S./M.D.)
- Doctor of Medicine (M.D.)

For Further information

Northeastern Ohio Universities College of Pharmacy
 Office of Admissions and Student Services
 4209 St. Rt. 44, P.O. Box 95
 Rootstown, OH 44272-0095
 330-325-6270
www.neoucom.edu/pharmd



Ohio Northern University

Raabe College of Pharmacy

Accreditation Status: *Full*
Type of Institution: *Private*
Main Campus: *Ada, OH*
Branch Campus(es): *None*
Satellite Program(s): *None*



General Information

The Raabe College of Pharmacy with its rich heritage of service endeavors today, as in the past, to meet the high standards of education demanded by the profession of pharmacy. The College of Pharmacy occupies a modern building designed and equipped to provide the facilities required for contemporary pharmaceutical education. Clinical and experiential studies are conducted at specialty sites located throughout Ohio and the nation, including metropolitan centers such as Cleveland, Columbus and Dayton. The Raabe College of Pharmacy is a direct entry program giving admission preference to students who are completing their secondary education. Students, once accepted, spend six years in the pharmacy program and then graduate with the Doctor of Pharmacy degree.

The University is unique in that it offers not only the curriculum of the college of arts and sciences but also professional preparation in the Colleges of Engineering, Pharmacy, Law and Business Administration. The presence of professional colleges on the campus results in an opportunity for diverse ideas and influences which broaden the college experience. Attention to the individual both in and out of the classroom is the standard for both faculty and administration. Accordingly, the faculty of the College of Pharmacy has identified its mission as: To prepare students to enter the practice of pharmacy so that they may contribute effectively to their profession. The college is responsible for generating and disseminating new knowledge about drugs and pharmaceutical care systems.

As a church related university, Ohio Northern recognizes the importance of religious belief and faith in the life and education of its students. Opportunities are available for students and faculty to examine, develop and practice their religious convictions in formal and informal settings.

The campus culture is noted for the variety of opportunities in music, theatre, athletics, religious life, volunteer service, and over 150 student organizations.

All university students, except seniors, married students, students living with relatives, and others with special permission reside in university housing for the first 2-3 years.

Mission/Vision

The Raabe College of Pharmacy is committed to preparing students to enter the practice of pharmacy with the knowledge base and skills required to provide pharmacist-delivered patient care and effectively contribute to the profession. Inherent to the fulfillment of this commitment, students will be provided with the ability to develop problem-solving and life-long learning skills which will facilitate their scholarly achievement. As an entry-level program, this commitment also includes assuring the quality of the basic science curriculum and providing a General Education program that facilitates the development of well-rounded individuals with the values necessary to serve society: 1) Contributing to the knowledge base of the practice of pharmacy, pharmacy education, and the scientific disciplines represented by its faculty. Also, the College will encourage, and provide opportunities for, student participation in these endeavors. 2) Providing information, support and services to students, colleagues, the profession of pharmacy, other health care disciplines, and the university community at large, consistent with the expertise of its faculty. Also, the College will encourage and provide opportunities for students to perform similar services.

Curriculum

The Raabe College of Pharmacy at Ohio Northern is dedicated to the education of pharmacists who are able to assume diverse roles in our contemporary health care system. In addition to a comprehensive approach to

basic and pharmaceutical sciences, a strong general education program is integrated into the curriculum. In the first three years, students enroll in profession of pharmacy courses and are required to complete 300 experiential pharmacy hours outside the classroom. Additionally, coursework in general education disciplines; chemistry; biological sciences; calculus; statistics; and applied pharmacy sciences make up the first three years, or lower division, of the six year pharmacy program. Students work closely with faculty members in examining their commitment to pharmacy and especially in understanding the possible career pathways that are available to the successful graduate. In the remaining years students enroll in therapeutic modules, culminating with a final year of advanced practice rotations at experiential sites in forty states and five foreign countries.

Students routinely work on minors in other fields and a select few work on double majors, including the unique dual degree pharmacy law program that allows a student to finish the Doctor of Pharmacy and Juris Doctor degrees in seven calendar years.

Admission Requirements

Persons seeking admission must meet the general requirements for admission to the University. High school graduates entering the pharmacy curriculum should have completed the college preparatory course including four years in English, four years of mathematics and four years of science. The successful applicant will have an ACT and/or SAT combined score in the 90th percentile and will be in the upper 10% of their class with no less than a 3.5 GPA out of a possible 4. All finalists for admission consideration will be invited to campus for a communications evaluation. Students are offered admission on the basis of their qualifications and desire to use the academic, spiritual and social resources of the campus community to become worthy and creative persons. The prospective

Prerequisite Courses

Course (<i>high school</i>)	Units
English	4
Mathematics	4
Science	4
History, Social Sciences, or Languages	6

Statistics for 2009 Entering Class Acceptees

Number interviewed	NR
Number accepted	NR
Estimated entering class size	165
Estimated male (%)	37%
Estimated female (%)	63%
Estimated out-of-state (%)	25%

Application Process and Requirements

Participates in PharmCAS: *No*
 Deadline for receipt of applications: *November 1*
 Supplemental application required: *No*
 Supplemental application fee: *Not applicable*
 Expected GPA: *3.75*
 Minimum overall GPA considered: *3.0*
 Minimum prerequisite GPA considered: *3.0*
 PCAT required: *No*
 Minimum PCAT scores considered: *Not applicable*
 Oldest PCAT scores considered: *Not applicable*
 Interview required: *Yes*

student should choose this institution with full awareness of its academic purposes and its comprehensive objectives.

The University grants placement and credit under the CEEB Advanced Placement Program (AP), the International Baccalaureate (IB) and the College-Level Examination Program (CLEP). Additionally, any student may earn a total of 45 quarter hours of credit by examination.

Students desiring to transfer from another accredited college or university must present a transcript of their record at that institution and meet all general requirements for admission. If the transfer applicant is academically qualified for admission, a personal interview is required. Transfer admissions are extremely limited and only on a space available basis.

Other Programs

Ohio Northern University offers a dual degree Doctor of Pharmacy and Juris Doctor program with an accelerated curriculum to complete in a minimum of seven years. Admission to the Raabe College of Pharmacy is a pre-requisite for consideration.

For Further Information

Robert W. McCurdy
 Assistant Dean
 419-772-2659
r-mccurdy@onu.edu
www.onu.edu/pharmacy



The Ohio State University

College of Pharmacy



Accreditation Status: *Full*
Type of Institution: *Public*
Main Campus: *Columbus, OH*
Branch Campus(es): *None*
Satellite Program(s): *None*

General Information

The College of Pharmacy at the Ohio State University, established in 1885, has been a leader in pharmacy education throughout its history. Located within one of the most comprehensive academic medical centers in America, the College of Pharmacy provides access to the University's vast resources and the advantages of enrollment in a relatively small academic environment. The College's reputation emanates from the strength of its faculty and staff, student body, facilities, library, practice sites, curriculum, research enterprise, and contributions to practice and scholarship. The College of Pharmacy is housed in the medical center on the main campus of The Ohio State University. While part of a large, comprehensive university, the College itself is small, enrolling approximately 1100 students. We pride ourselves on the individual attention that we give our students.

The Ohio State University is located in Columbus, Ohio, a dynamic, expanding city offering progressive health care facilities, diverse cultural and social activities, various student housing options and an affordable cost of living.

While in Columbus, you will see variety of communities, each with its own distinct character and offerings, the style changes with a 15 minute walk. You can sample the historic, the artsy, the sports oriented, the high fashion and the college life, all in one very manageable, friendly Midwestern city.

Columbus is at the intersection of I-70 and I-71 and is within a day's drive of 1/2 of the U.S. population. And, Port Columbus International Airport is served by 11 airlines and their regional affiliates providing more than 340 daily arrivals and departures to 36 airports.

Mission/Vision

The overall mission of the College of Pharmacy is to improve medications and medication related health outcomes for the people of Ohio and the global community through our teaching, through our research and through our service. The College will provide high quality education in the pharmaceutical sciences and pharmacy practice to professional, undergraduate, graduate and postgraduate students through teaching, research, practice and related service activities including outreach and engagement.

Our Core Values:

We value innovation, teaching, learning and the advancement and sharing of knowledge.

We value research and its application toward improving the use of medications in society.

We value patient centered pharmacy services and professionalism.

We value our students, faculty, staff, alumni and friends.

We value diversity in all of its forms.

Prepharmacy Students

Prepharmacy students may participate in a prepharmacy club, a special prepharmacy living learning program (Pharmacy House), and Pharmacy Honors and Scholars Programs. Students admitted to the College of Pharmacy are assigned both an academic advisor and a faculty advisor to help plan schedules, assist in career decision making, and discuss questions or problems.

Students may become actively involved in professional societies, fraternities and honoraries which offer the opportunity to participate in social and public service activities and to promote professional achievement and leadership. Pharmacy Council is the student governing body that represents each class and student organization in the College.

Curriculum

An entry-level Pharm.D. is a first professional degree program which requires a Bachelor's Degree for matriculation. The four year professional curriculum includes didactic and experiential activities to prepare graduates for rendering pharmaceutical care in a variety of practice settings.

The professional curriculum includes sequences of courses in physiology, medicinal chemistry, biochemistry, drug delivery, pharmacy practice, pharmacology, pathophysiology and therapeutics, pharmacokinetics, biotechnology, pharmacy administration, pharmacogenomics and jurisprudence. Students also complete a professional practice laboratory sequence in year two and part time professional practice experience in years one and three. The fourth year of the curriculum consists of nine months of advanced professional practice experiential rotations. Rotations sites are dynamic and varied, most in the Central Ohio area. Students may also choose to travel to other sites outside the state or even outside the country.

A Bachelor of Science in the Pharmaceutical Sciences program is available as a non licensable, undergraduate major. This program requires coursework in basic science as well as the pharmaceutical science disciplines.

M.S. and Ph.D. programs are available in all of the major areas of specialization in the pharmaceutical sciences. These programs are research intensive and typically prepare students for careers in academia, industry, and governmental regulatory agencies.

Pharmacy practice and specialty residency programs are available in a variety of focus areas including institutional and ambulatory care emphases. Post doctoral research fellowships are offered for Pharm.D. as well as Ph.D. graduates. The College's Outreach and Engagement enterprise administers a number of service and continuing education initiatives.

Prerequisite Courses

Course	Quarter Hours
General Biology	5
General Chemistry	15
Organic Chemistry	15
Analytical Chemistry	5
Precalculus, Calculus I, Calculus II	15
Microbiology	5
Physics	15
Human Anatomy	5

Statistics for 2010 Entering Class Acceptees

Number interviewed:	221
Number accepted:	187
Estimated entering class size:	124
Estimated male (%):	41%
Estimated female (%):	54%
Estimated out-of-state (%):	33%

Application Process and Requirements

Participates in PharmCAS: Yes
 Deadline for receipt of applications: December 1
 Supplemental application required: Yes
 Supplemental application fee: \$40
 Expected GPA: 3.5
 Minimum overall GPA considered: 3.0
 Minimum prerequisite GPA considered: 2.9
 PCAT required: Yes
 Minimum PCAT scores considered: 50th percentile
 Oldest PCAT scores considered: 5 years
 Interview required: Yes

Combined degree programs for qualified students are available for Pharm.D./M.S., Pharm.D./Ph.D., Pharm.D./MBA, and Pharm.D./M.P.H.

Admission Requirements

The entry-level Pharm.D. program requires a Bachelor's Degree for matriculation. Students may complete their prepharmacy studies at Ohio State or any other accredited college or university. Required prerequisites include specific course prerequisites and completion of a general education (liberal education) curriculum.

Information on admission to the University as a freshman can be obtained from the OSU Office of Admissions. (The College also offers an Early Admissions Pathway for Honors eligible freshman.) It is important that students intending to complete required prepharmacy coursework contact the College of Pharmacy Student Affairs Office to receive information about which courses at other colleges and universities will fulfill these requirements.

To be minimally competitive for admission, a student should have a minimum cumulative point-hour-ratio (PHR) of not less than 3.00 (A=4.00) on all previous college work. The Pharmacy College Admissions Test (PCAT)

is required and should be taken by autumn of the year of application.

The entry-level Pharm.D. is a graduate professional program. Students are required to have completed a Bachelors Degree prior to entering our Doctor of Pharmacy Program.

Admission is competitive and decisions are based on the following: overall cumulative and mathematics/science cumulative GPA, completion of required prepharmacy coursework, past academic or professional experience, PCAT scores (entry-level professional programs only), extracurricular activities and leadership, personal statements by applicants, and letters of recommendation. Preference for admission to the College of Pharmacy is given to applicants with a cumulative GPA of 3.5 or higher. Personal interviews are also required and an important factor in Pharm.D. admission decisions. Applications are due by December 1.

In some rare cases, students may be granted advanced credit provided they submit a record of good standing from the fully accredited college or university attended. The courses completed must satisfy the Admissions Office and the College of Pharmacy as to equivalent content and proficiency. Students from accredited programs in phar-

macy may be considered for admission with advanced standing.

Other Programs

The College of Pharmacy offers both M.S. and Ph.D. degrees. Applicants (M.S./Ph.D.) must have a B.S. in the pharmaceutical sciences, physical science, or biological science and a minimum cumulative point-hour-ratio (PHR) not less than 3.0 for the BS degree (3.3 for M.S. degree, if earned). The GRE is required of all applicants and TOEFL is required for those whose native language is not English.

For Further Information

College of Pharmacy, Student Affairs Office
 The Ohio State University
 150 Parks Hall, 500 W. 12th Avenue
 Columbus, OH 43210-1291
 614-292-5001 (Office of Student Affairs,
 College of Pharmacy)
 614-292-3980 (University Office of
 Admissions)
 admissions@pharmacy.ohio-state.edu
 www.pharmacy.ohio-state.edu

University of Cincinnati

James L. Winkle College of Pharmacy



Accreditation Status: *Full*
Type of Institution: *Public*
Main Campus: *Cincinnati, OH*
Branch Campus(es): *None*
Satellite Program(s): *None*

General Information

The College of Pharmacy is one of four health professions colleges in the University of Cincinnati Academic Health Center along with the College of Medicine, College of Nursing, College of Allied Health, and the health sciences library. The College facilities house modern lecture rooms and instructional and research laboratories. The College also prides itself on the academic and professional excellence of its faculty. The professional program leading to the Pharm.D. degree is accredited by the Accreditation Council for Pharmacy Education. The college received full accreditation to June 2013. The College of Pharmacy received commendation for its experiential education programs, faculty and student relations and the university library services during this accreditation cycle.

The University of Cincinnati (UC) recognizes that time spent outside of the classroom is an important part of a student's professional growth and development. Pharmacy Tribunal, the student governance organization, provides leadership and guidance to students through participation in professional and community service activities. The college also has student chapters for most of the professional organizations in pharmacy. UC College of Pharmacy student leaders and the organizations they serve have been recognized nationally for excellence in leadership and service. In addition to pharmacy student government and other pharmacy organizations, UC students can take part in hundreds of extracurricular activities including fraternities, sororities, intramurals, arts, social, and religious groups.

Mission/Vision

The University of Cincinnati College of Pharmacy will:

- contribute to the health of our community and nation through the development of graduates and faculty who will be leaders in pharmacy practice and the pharmaceutical

sciences

- be widely recognized for our research programs and continuous innovation in education.

The central mission of the College of Pharmacy is to improve the state of human health by the dissemination and creation of knowledge in professional pharmacy practice and the pharmaceutical sciences. The college is committed to excellence in the professional and scientific education of individuals who, as pharmacists, will be able to meet both present and future health care needs. Through graduate and research programs, the college fosters the creation of knowledge and the education of scholars who will serve important roles in academia, industry, and government. The college also strives to provide outstanding service to patient care, the profession of pharmacy, and the community.

Curriculum

The curriculum provides an educational program which prepares graduates to enter any of the many fields of pharmacy practice. The Pharm.D. curriculum combines a minimum of two years of pre-pharmacy education with four years of professional education. Following the completion of the pre-pharmacy curriculum and acceptance into the professional program, students enroll in sequential and integrated courses such as pharmacology, pharmaceuticals, pharmacy administration, medicinal chemistry, and pharmacotherapy.

Formal didactic instruction includes integrated courses and each student participates in experiential learning throughout all four years of the program including 11 months of transitional and advanced practice experiences. Pharmacies that participate as experiential training sites include large research hospital settings, rural health care settings, chronic care settings, community and chain pharmacies, management, marketing and research industrial settings.

Admission Requirements

Students will be considered for admission to the College of Pharmacy Pharm.D. program during the second year of pre-pharmacy coursework. The pre-pharmacy educational requirements are: 100 quarter hours (67 semester hours) with a minimum grade of "C" in each course submitted for transfer; and completion of the pre-pharmacy curriculum. All pre-pharmacy requirements must be completed prior to enrollment if accepted into the program.

Selection is based on an in-depth evaluation of applicants utilizing both academic and non-academic criteria. Although the cumulative GPA is considered to be a measure of academic ability, our evaluation takes into account performance in science lecture courses and compares it to performance in non-science courses. The most recent academic performance of applicants is viewed as being more indicative of ability, and is given more weight than earlier performance. Performance in Organic Chemistry and Physics courses is also considered to be predictive of performance in the professional program. All pre-pharmacy requirements must be taken for academic credit (no pass/fail) and must be completed with a grade equivalent to or better than a "C". Completion of the pre-pharmacy requirements does not guarantee admission into the professional program.

Non-academic interests and activities are also taken into consideration. Such things as demonstrated leadership; involvement in community affairs, student affairs, & professional affairs; written & verbal communication skills; and the basis for a decision to pursue a career in pharmacy are considered. Activities and involvement are analyzed, and extenuating circumstances which might explain compromised performance are also taken into consideration. Particular attention is focused on what the applicant has done and how they have contributed or made a difference, and not just being a member of a club or

Prerequisite Courses

Course	Quarter Hours
Biology	12
Biology Lab	3
First Year Chemistry	4
First Year Chemistry Lab	3
Calculus	9
Freshman English	9
Statistics	3
Organic Chemistry	12
Organic Chemistry Lab	4
College Physics	12
College Physics Lab	3
Microbiology	3
General Education Electives	18

Statistics for 2010 Entering Class Acceptees

Number interviewed:	225
Number accepted:	155
Estimated entering class size: . . . . .	.96
Estimated male (%):	45%
Estimated female (%):	55%
Estimated out-of-state (%):	25%

Application Process and Requirements

Participates in PharmCAS: Yes
Deadline for receipt of applications: *December 1*
Supplemental application required: Yes
Supplemental application fee: \$50
Expected GPA: 3.5
Minimum overall GPA considered: 3.0
Minimum prerequisite GPA considered: *Not reported*
PCAT required: Yes
Minimum PCAT scores considered: *Not reported*
Oldest PCAT scores considered: *2 years*
Interview required: Yes

organization. The manner in which ideas are presented during telephone conversations, interviews with the admissions committee, personal conferences, and written responses on the application or in letters or email is also taken into consideration.

Graduate Study in the Pharmaceutical Sciences

The College of Pharmacy offers graduate programs leading to master of science and doctor of philosophy degrees in the pharmaceutical sciences. Each program is individualized to provide a well-rounded advanced educational experience including advanced coursework, seminars, independent studies, and emphasizing quality scientific research.

Areas of specialization include biopharmaceutics, pharmacokinetics, cosmetic science, drug development, pharmacology and social and administrative sciences.

Applicants must have a minimum GPA of 3.00 and must submit scores from the General Test of the Graduate Record Examination (GRE). In addition, a score of 600/250 CBT/100 IBT must be achieved on the Test of English as a Foreign Language (TOEFL) for students whose native language is not English.

Other Programs

For information about the College of Pharmacy, Pharm.D., and M.S./Ph.D. graduate programs, please visit www.pharmacy.uc.edu.

For Further Information

For information about the College of Pharmacy, Pharm.D., and M.S./Ph.D. graduate programs, please visit www.pharmacy.uc.edu.

The University of Findlay

College of Pharmacy

Accreditation Status: *Candidate*

Type of Institution: *Private*

Main Campus: *Findlay, OH*

Branch Campus(es): *None*

Satellite Program(s): *None*



General Information

The University of Findlay is an innovative private university with a student population above 4700. The College of Pharmacy was a natural addition to our highly successful Health Profession Majors. The first Pharmacy class graduated in 2010 and students enjoy state of the art facilities, individualized attention (30 students maximum in all pharmacy classes), and inventive teaching practices. The arts, athletics, organizations and countless activities are available to enrich students' lives outside the classroom as well.

The University of Findlay in Findlay, Ohio is conveniently located off Interstate 75 in northwest Ohio. The City of Findlay is a wonderful micropolitan area with hometown charm that makes people feel welcome. It was awarded the distinction of being 1 of the 100 Best Communities for Young People and one of the top places to live in the United States. Findlay's population is approximately 45,000. It boasts many cultural, civic, historical and recreational activities. It consistently has the lowest unemployment rates in Ohio and an almost nonexistent crime rate.

Mission/Vision

Preparing pharmacists dedicated to improving patients' lives through practice, service and research.

The College of Pharmacy endeavors to provide pharmacy education to students within a diverse, supportive, student centered environment. The curriculum emphasizes the collaborative practice of pharmacy care and related healthcare disciplines, continuous professional development, critical thinking, evidence based medicine, research and service to the community.

In support of this mission, our faculty and students pursue scholarly activity to advance the care of patients and our faculty members provide teaching and learning environments

for our students to develop critical thinking skills. Our faculty members also participate in various service activities as part of their professional responsibilities. Through this capacity, they serve as role models for our students

Curriculum

During the first two years of the pharmacy program, the student will take part in general education courses along with an in-depth study of basic sciences. These courses will prepare the student for the human and ethical challenges of the profession while providing a solid foundation for the pharmacy science classes in the upper years. Thirty hours of community service is required during the first two years.

The third year is devoted to introductory courses in pharmacy. These courses will prepare the student to understand the language of pharmacy as well as the thought processes involved in pharmacy practice. The advanced science material in the third year bridges the basic science of the first two years and the applied pharmacy science of the fourth and fifth years. Before the student enters the fourth year, 100 hours of introductory pharmacy practice experience is required.

The courses in the fourth and fifth years are the core of preparation for professional practice in pharmacy. For three semesters, the student will learn material regarding pharmacy, pharmacology, pathophysiology, therapeutics, medicinal chemistry, kinetics, herbal/alternative therapy and over-the-counter therapies. Professors will collaborate to present the material to the student in an integrated way, organized around organ systems. During these years, the student may also begin the process of developing a specialty area in pharmacy by selecting elective courses such as diabetes management, business management, gerontology, foreign language, self care, natural products, hospital pharmacy, palliative care, research and more.

The student is required to complete 100 hours of early practice experience each year. In addition, 20 hours of community service is required.

During the spring semester of the fifth year, the student completes the didactic portion of the program with a research project and a course called Application of Pharmacy Practice. The course requires application of knowledge gained from the entire curriculum.

The sixth year is the advanced pharmacy practice, or clinical, year. Advanced Pharmacy Practice Experiences include required two-month rotations for Advanced Institutional/General Medicine, Ambulatory/Advanced Community Pharmacy and Special Populations (e.g. geriatrics, pediatrics, critical care). In addition, three one-month rotations are chosen from a list of electives. Some possibilities for the one-month elective rotations include nuclear pharmacy, toxicology, neonatology, cardiology, drug information, compounding and infectious disease. Rotations start in July, and are completed prior to May 1 of the sixth academic year.

Admission Requirements

70 students will be admitted to the College of Pharmacy from high school based on strong academic performance. The successful high school student will have completed a rigorous college prep curriculum, possess a minimum high school GPA of 3.3/4.0, minimum ACT of 23 in each subject area or minimum SAT of 530 in each subject area. All admitted students are assured progression through the program if academic and professional standards (3.0/4.0, no grade less than "C", and are eligible for licensure) are met.

Should a student leave our program within the first 2 years, a vacancy would exist. Qualified transfer students will be selected to fill these vacancies in the program up to the start of the third year. Standards for progression

Prerequisite Courses

The pharmacy program is a six-year program that takes students directly out of high school. Admission to the program is determined by the applicant's graduation from an accredited secondary school course of study, performance, and personal qualities.

Statistics for 2009 Entering Class Acceptees

Number interviewed: 161
Number accepted:60
Estimated entering class size:60
Estimated male (%): 50%
Estimated female (%): 50%
Estimated out-of-state (%): 12%

Application Process and Requirements

Participates in PharmCAS: *No*
Deadline for receipt of applications: *January 5*
(high school students)
Supplemental application required: *No*
Supplemental application fee: *Not applicable*
Expected GPA: *3.3*
Minimum overall GPA considered: *3.3*
Minimum prerequisite GPA considered: *3.3*
PCAT required: *No*
Minimum PCAT scores considered: *Not applicable*
Oldest PCAT scores considered: *Not applicable*
Interview required: *Yes*

of transfer students are the same as those for continuing students - minimum college GPA of 3.0. Students whose first (primary) language is not English must submit a Test of English as a Foreign Language (TOEFL) with a paper-based minimum score of 550.

There is a 2-step consecutive application process. All high school applicants must apply and be admitted to The University of Findlay prior to January 5. A College of Pharmacy application will be forwarded to all qualified students.

The in-person interview/essay is mandatory for all students who wish to have their application considered further. However, not all students will be invited to interview. The opportunity to interview is based on your completed College of Pharmacy application, University of Findlay application, transcripts and test scores. Interview dates for high school seniors will be scheduled for late January and early February. The interview and essay are key components of the selection process. Selection will take place in early March and all applicants will be notified in writing by March 10 of their status within the College of Pharmacy.

For Further Information

College of Pharmacy
1000 N Main St
Findlay, OH 45840
800-472-9502 Ext. 5327 or 419-434-5327
pharmacy@findlay.edu
www.findlay.edu keyword: pharmacy

The University of Toledo

College of Pharmacy

Accreditation Status: *Full*
Type of institution: *Public*
Main Campus: *Toledo, OH*
Branch Campus(es): *None*
Satellite Program(s): *None*



COLLEGE OF PHARMACY
THE UNIVERSITY OF TOLEDO

General Information

The University of Toledo (UT) was founded in 1872 as a municipally supported institution and became part of the State University System in 1967. In 2006 The University of Toledo merged with the Medical University of Ohio to form the third largest public university operating budget in the state with programs in nine colleges: Arts and Sciences, Business Administration, Education, Engineering, Health Science and Human Service, Nursing, Medicine, Pharmacy, and University College. The College of Pharmacy, founded in 1904, is the oldest college on the University campus. Wolfe Hall has been home of the College of Pharmacy on the UT Main Campus since the newly constructed building opened in 1998. In Fall 2010 the College will expand its facilities on the UT Health Science Campus in another new building that includes faculty offices, research laboratories and instructional laboratories, including a state of the art professional development laboratory. The new facility will be on the same campus as the Colleges of Medicine and Nursing and the University Medical Center and associated clinics. College of Pharmacy Student Affairs offices and services will be accessible in both Wolfe Hall and the new facility. The University has affiliations with over 200 pharmacies, hospitals and clinics throughout Ohio that provide experiential training to complement the instruction on campus. Pharmacy students on both campuses have access to computer laboratories as well as campus wide and dormitory access to the University's computer system.

The Pharm.D. and B.S. in Pharmaceutical Sciences academic curricula offered by the College of Pharmacy are complemented by student life opportunities that encompass more than 200 campus organizations (including twelve in the College). Campus wide organizations include the Student Body Government, the Black Student Union, the Graduate Student Association, the Student Union Board, the Collegian student newspaper, and

radio station WXUT. Approximately 4,100 undergraduate students reside on campus in residence halls or Greek affiliated housing. Residence halls are offered in several styles, including community and suite style living. A Health Professions Living Learning Community is an all freshmen residential community for pharmacy, nursing, pre medical and other health professions students. Honors student housing is available in the Academic House. Freshman students are required to live on campus (unless permanent residence is within 50 miles of the University). There are several choices for off campus housing as well, with many apartments and rental homes located within a mile of campus.

Mission/Vision

The mission of the College of Pharmacy is to educate students to meet the pharmaceutical needs of society, to advance pharmaceutical knowledge through research and to serve the profession and the community. Guiding principles are personal integrity, respect for humanity and human diversity, and professionalism.

Curriculum

The professional program in pharmacy is a six year curriculum culminating in the Doctor of Pharmacy degree. The plan of study includes a two year "pre-pharmacy curriculum," primarily focused on the science and mathematical foundation necessary to understand how the body works and responds to disease and its treatment. A core of humanities, social science and multicultural studies is also part of the early curricular plan so that the emerging graduate has an enlightened view of his/her role in society. The professional division program of study focuses on biochemistry, microbiology, immunology and the design of chemicals that comprise today's medicines. Instruction is complemented with the applied sciences of pharmacology and pharmaceuticals that provide insight to the student on how drugs work in the body and the most

effective way to deliver drugs into the body. Introductory pharmacy practice experiences are incorporated into the first three years of the professional curriculum. The curriculum integrates the administrative and clinical sciences with the pharmaceutical sciences preparing the student for structuring and providing effective patient care in a variety of practice settings. Proficiency in physical assessment, drug informatics, communications, writing and presentation skills is also emphasized. The program of study is capped off with a two semester advanced experiential component that offers training in a variety of practice settings. Completion of the program qualifies the student to sit for the pharmacist licensure examination.

The College of Pharmacy offers a four year B.S. in Pharmaceutical Sciences (B.S.P.S.) degree that prepares students for positions in pharmacy management, the pharmaceutical industry, forensic and research laboratories, and for graduate study. Current majors in the B.S.P.S. program include medicinal and biological chemistry, pharmaceuticals, pharmacology/toxicology, and pharmacy administration. An internship is required in all majors. The College of Pharmacy also offers the M.S. in Pharmaceutical Sciences (with focuses of Industrial Pharmacy, Pharmacy Administration or Pharmacology/Toxicology) degree and the M.S. and Ph.D. in Medicinal Chemistry degrees.

Admission Requirements

Admission to the University is coordinated by the Office of Undergraduate Admissions located in Rocket Hall 1300. All applications and accompanying material for admissions should be addressed to: The University of Toledo, Office of Undergraduate Admissions, 2801 W. Bancroft, Toledo, OH 43606-3390, 800-5TOLEDO, or 419-530-8700.

Students still in high school may apply during their senior year for admission. It is highly recommended to apply to UT prior to De-

Prerequisite Courses

Course	Semester Hours
Orientation	1
Fund. of Life Sciences I & II with Labs	10
Gen. Chemistry I & II with Labs	10
Calc. for the Life Sciences with Applications I & II.	7
Funct. Anatomy & Pathophysiology I & II.	8
Organic Chemistry I & II with Labs.	8
Introduction to Physics	4
Microeconomics	3

Statistics for 2009 Entering Class Acceptees

Number interviewed:	161
Number accepted:	107
Estimated entering class size:	107
Estimated male (%):	36%
Estimated female (%):	64%
Estimated out-of-state (%):	16%

Application Process and Requirements

Participates in PharmCAS: *No*
 Deadline for receipt of applications: *January 14*
 Supplemental application required: *No*
 Supplemental application fee: *Not applicable*
 Expected GPA: *Not reported*
 Minimum overall GPA considered: *2.7*
 Minimum prerequisite GPA considered: *2.7*
 PCAT required: *No*
 Minimum PCAT scores considered: *Not applicable*
 Oldest PCAT scores considered: *Not applicable*
 Interview required: *Yes*

ember 1st of the student's senior year, as this is the priority deadline for admission scholarships. The University of Toledo requires completion of specific college preparatory curriculum course work to be considered for unconditional admission. The minimum academic core requirements are: 4 years/units of English; 3 years/units of natural science; 3 years/units of social science; 3 years/units of math (including algebra I and II and geometry or equivalent). Additionally, recommended courses include: physics and advanced mathematics, such as trigonometry or calculus. Computer proficiency is expected.

Students who are state of Ohio residents and who have been graduated from an accredited Ohio high school will be admitted as entering freshmen to the preprofessional division of the College of Pharmacy, as long as they meet the following requirements: minimum cumulative GPA of 2.5 on a 4.0 scale or a composite ACT score of 20 or combined SAT score of 950. Out-of-state students must have a minimum cumulative GPA of 2.5 on a 4.0 scale and a composite ACT score of 20 or combined SAT score of 950 to be admitted directly into the preprofessional division.

Transfer students may apply up to ten months prior to the beginning of the semester in

which admission is sought and must have a minimum cumulative GPA of 2.7 on a 4.0 scale for admission to the first or second preprofessional years. Students with course work from non-Ohio institutions will be evaluated on an individual basis. Transfer applications for fall admission must be received by May 1.

Admission to the professional division of College of Pharmacy programs requires formal application and is based on completion of general chemistry, organic chemistry, biology, functional anatomy and pathophysiology, the mathematics requirement, the physics requirement and successful completion of a minimum of 44 semester hours of coursework. Attainment of a cumulative and science GPA of 2.7 is required for consideration. No PCAT is required and internal applicants only are considered (a student must take at least 16 credit hours at UT in order to qualify as an internal candidate). The top 108 applicants will be selected for the Pharm.D. program and the top 90 for the B.S.P.S. program. In addition to science and cumulative GPA, a personal essay and interview are also evaluated in determining admission to the professional division of the Pharm.D. program.

Academically exceptional high school graduates may be offered contingent admission to the professional program. Automatic admission to the first professional year will be dependent upon successful completion of the preprofessional years, while maintaining at least a 3.5 cumulative and science GPA. To be eligible for contingent admission, students must submit a UT application and transcripts by December 1st of their senior year, and have earned at least a 3.75 GPA on a 4.0 scale, as well as a 29 ACT or 1300 SAT composite score. Upon receipt of a student's completed admission application, additional materials will be requested. After interviews are conducted, final notification of contingent admit status will occur mid-March.

For Further Information

Office of Student Affairs
 College of Pharmacy - MS 608
 The University of Toledo
 2801 West Bancroft St.
 Toledo, OH 43606-3390
 419-530-1904
pharmacy@utoledo.edu
<http://www.utoledo.edu/pharmacy/>



Southwestern Oklahoma State University

College of Pharmacy

Accreditation Status: *Full*
Type of Institution: *Public*
Main Campus: *Weatherford, OK*
Branch Campus(es): *None*
Satellite Program(s): *None*



General Information

Southwestern Oklahoma State University (SWOSU) is a state operated institution founded in 1901 and located seventy miles west of Oklahoma City in Weatherford, Oklahoma. SWOSU has a total enrollment of approximately 5,000 students. The SWOSU College of Pharmacy was founded in 1939 and is housed in a modern building. The SWOSU College of Pharmacy is fully accredited by the Accreditation Council for Pharmacy Education and is a member of the American Association of Colleges of Pharmacy.

SWOSU offers a number of services and activities for students. Services provided include, Financial Aid, Health Service, Wellness Center, and a Career Information Office. A number of SWOSU campus organizations are available, including professional, honorary, social, Greek, service and religious groups.

SWOSU operates residence halls which provide on campus housing for students. Each residence hall is under the direct supervision of a resident supervisor. All students living in residence halls are required to purchase a meal plan for the SWOSU dining hall. A choice of several meal plans is available. A small number of SWOSU unfurnished apartments are available to married students.

Mission/Vision

The mission of the SWOSU College of Pharmacy is to educate and graduate highly competent practitioners of pharmaceutical care. The College of Pharmacy achieves its mission through excellence in teaching, scholarly activity, and service to the university, state, profession, and society. The College of Pharmacy fulfills its mission by providing an education, which instills in students the knowledge, skills, attitudes, and behaviors needed to practice pharmaceutical care.

The goals of these educational experiences are

to provide a basic foundation of information and professional skills, an appreciation for the continuous refinement of pharmaceutical knowledge, professionalism, and a commitment to life long scholarship.

The goal of scholarly activity is to advance knowledge with an emphasis on the scholarship of teaching, pharmaceutical care and pharmaceutical sciences. Collegiality and student involvement is encouraged.

The goal of service is to provide resources, as needed, to assist the stakeholders of the College of Pharmacy.

The objective of the College of Pharmacy is to admit, educate, and train students who have the desirable personal and intellectual qualities that predict a successful career in pharmacy, recognizing the importance of social and cultural diversity. Considering the demands and expectations of pharmacists by society, the college strives to select students having high intellectual ability and dedication of purpose, who can serve as change agents, and the capacity to withstand the rigors of education and practice.

The education and training of the students will ensure the graduates have:

- Acquired knowledge of the basic and clinical sciences necessary for the success in the practice of pharmacy and advanced training.
- Developed skills that foster effective communication among pharmacists, patients, and other health care providers.
- Acquired the skills necessary to elicit relevant clinical information, including history taking and objective assessment.
- Performed basic skills necessary for the practice of pharmaceutical care.
- Performed critical analysis of professional literature, using information retrieval resources.
- Provided pharmaceutical care by medication therapy management utilizing evi-

dence based pharmacotherapy to ensure positive outcomes to improve the patient's quality of life.

- Developed professional and ethical values, including integrity, compassion, responsibility, and commitment to community health and wellness.
- Developed the skills of critical thinking, problem solving, and independent learning.

Curriculum

Completion of the SWOSU College of Pharmacy curriculum leads to a Doctor of Pharmacy degree and is commonly referred to as a two-four program: two years of pre-pharmacy study plus four years of study in the professional program. Students in the SWOSU Doctor of Pharmacy program complete courses in pharmaceutics, medicinal chemistry, pharmacology, pharmacy administration and pharmacy practice. The first three years of the SWOSU professional Doctor of Pharmacy program are conducted primarily on the Weatherford campus, while the advanced pharmacy practice experience courses comprise the entire fourth year and are conducted in off campus teaching facilities affiliated with the SWOSU College of Pharmacy. Other required experiential pharmacy practice activities are conducted throughout the four year SWOSU professional Doctor of Pharmacy program. At this time, the professional Doctor of Pharmacy degree is the only degree program offered by the SWOSU College of Pharmacy and there are no branch campuses for the professional Doctor of Pharmacy program.

Admission Requirements

In order to be considered for admission to the SWOSU College of Pharmacy professional Doctor of Pharmacy program, a student must first have been admitted to SWOSU. Students may apply for admission into the professional Doctor of Pharmacy program for the Fall, Spring or Summer semesters. Ap-

Prerequisite Courses

Course	Semester Hours
English Composition	6
American Government	3
U.S. History	3
Computer Literacy	2
Calculus	3
General Biology with Lab	4
Microbiology with Lab	5
General Chemistry with Lab	8-10
Organic Chemistry with Lab	8
Physics	4
General Psychology	3
Macroeconomics	3
World History or World Cultural Geography	3
Music Appreciation, Art Appreciation, Literature, Public Speaking, Philosophy	6

Statistics for 2010 Entering Class Acceptees

Number interviewed:	150
Number accepted:	88
Estimated entering class size:	85
Estimated male (%):	51%
Estimated female (%):	49%
Estimated out-of-state (%):	14%

Application Process and Requirements

Participates in PharmCAS: No

Deadline for receipt of applications: February 1 (Summer or Fall Admission); October 1 (Spring Admission)

Supplemental application required: Yes

Supplemental application fee: \$15

Expected GPA: 3.3

Minimum overall GPA considered: 2.5

Minimum prerequisite GPA considered: 2.5

PCAT required: Yes

Minimum PCAT scores considered: 60th percentile

Oldest PCAT scores considered: 3 years

Interview required: Yes

plications for admission into the professional program for the Summer or Fall semesters must be submitted by the previous February 1st. Applications for admission into the professional program for the Spring semester must be submitted by the previous October 1st. Selection for admission into the professional program is competitive. The minimum requirements to be considered for admission are as follows:

1. Satisfactory completion of at least 58 semester hours of the pre-pharmacy curriculum;
2. Completion of all pre-pharmacy biology, chemistry, mathematics, and physics courses;
3. A minimum cumulative grade-point average of 2.50;
4. Submission of valid ACT or SAT scores;
5. Submission of Pharmacy College Admission Test (PCAT) scores from a PCAT test taken within 3 years of date of application.

Organic Chemistry II and Organic Chemistry II Lab and Microbiology must have been completed within seven years of the semester for which an applicant is seeking admission. All pre-professional requirements not completed prior to admission to the SWOSU professional Doctor of Pharmacy program

must be completed within one calendar year of the date of admission.

Applications must be submitted on standardized forms supplied by the College of Pharmacy. Application forms may be obtained from the Pharmacy Admissions Counselor and are not available online. Incomplete, late, or improperly prepared applications will not be processed. All admissions are subject to any conditions specified in the admission letter and other correspondence from the College of Pharmacy.

Selection for admission to the professional Doctor of Pharmacy program in the College of Pharmacy is competitive. The Admissions Committee of the SWOSU College of Pharmacy must rely heavily on objective data, particularly science and mathematics grade average, overall grade average, ACT (American College Test) or SAT (Scholastic Aptitude Test) and PCAT (Pharmacy College Admission Test) scores. A preliminary selection of applicants will be made based on an initial evaluation of these criteria. Applicants selected by this initial process will be required to appear for a personal interview before a committee composed of faculty members and pharmacy students. The interview process provides an opportunity to assess important issues such as motivation, character, personal

objectives, and communication skills. An appraisal from all aspects of the interview is included in the applicant's file and is weighed, along with other factors, such as consistence of academic performance, by the Admissions Committee in making its final recommendation regarding admission to the Dean of the College of Pharmacy.

Preference for admission to the professional Doctor of Pharmacy program is given to qualified applicants who are residents of Oklahoma. Consideration is also given to other qualified permanent residents and citizens of the United States who complete their pre-pharmacy program at SWOSU. Only a very small number of other permanent residents and citizens of the United States who are not Oklahoma residents are offered admission, and these applicants typically are residents of states that border Oklahoma.

The University of Oklahoma

College of Pharmacy

Accreditation Status: *Full*

Type of Institution: *Public*

Main Campus: *Oklahoma City, OK*

Branch Campus(es): *Tulsa, OK*

Satellite Program(s): *None*



General Information

In 1893, the College of Pharmacy became the first professional program at The University of Oklahoma. The college offers the Doctor of Pharmacy professional degree program and graduate programs in the Pharmaceutical Sciences leading to the Master of Science and Doctor of Philosophy degrees on campuses located in Oklahoma City and Tulsa.

The University of Oklahoma College of Pharmacy is committed to the education of professional and graduate students who, upon graduation, can meet the public need for safe and effective pharmacist provided patient care. The characteristics of quality instruction, basic and applied research, community and professional service, and extensive instruction in all types of pharmacy practice settings contribute to making attendance at the College of Pharmacy a rewarding experience.

The Doctor of Pharmacy (Pharm.D.) program requires four calendar years to complete the professional curriculum. Pre-pharmacy requirements require a minimum of approximately 64 semester hours and may be completed at any accredited university or college offering the required courses.

Students attend class sessions in Oklahoma City or Tulsa as assigned during the admission process. All course meetings are jointly held using innovative technologies, offering live access to faculty who may facilitate classroom learning sessions from either campus. The interactive classrooms feature multiple viewing monitors, table top microphones, and state of the art presentation equipment to provide the student and faculty with the tools necessary to enhance learning.

The University of Oklahoma College of Pharmacy is part of a comprehensive health sciences center that provides interdisciplinary opportunities. Additionally, opportunities are available in residency programs, nuclear

pharmacy, the Oklahoma State Poison Control Center, and research. Pharmacy students are involved in professional organizations and are engaged in community service enhancing their educational experience while learning the practice of pharmacy.

Mission/Vision

The mission of the University of Oklahoma College of Pharmacy as part of a comprehensive academic health sciences center is to educate and empower professional, graduate, and post graduate students to be highly qualified pharmacy practitioners, scientists and educators. Our mission is sustained by an environment of creativity and innovation that fosters collaboration with external communities, respects diversity, and demonstrates commitment to collective endeavors that advance our purposes and positively influence the health and well being of the public.

We will be a recognized leader in education, research and scholarship, and service. What we embody as an organization will attract the best and brightest students, faculty and external constituents who desire to grow and contribute to our collective successes. Our students and faculty will be engaged with patients and providers to further promote health and optimize medication use and outcomes. Our advances in knowledge and its applications will be evident by increasing levels and extent of extramural support, publications, and presentations. We will strive to positively impact and advance knowledge, the profession and health throughout our state, region, and nation.

Curriculum

The curriculum features the integration of basic and applied clinical sciences. First year courses provide a strong foundation of basic science coursework and an orientation to pharmacy practice. Beginning in the fall of second year, a series of pharmaceutical care course modules, organized around organ sys-

tems and disease states, provides integrated learning opportunities in pathophysiology, pharmacology, medicinal chemistry, pharmacotherapeutics, pharmacokinetics, and pharmacoeconomics.

The series of courses provides an educational framework that offers the faculty the opportunity to link complex therapeutic topics within the context of a given group of diseases in the current course and apply the knowledge to concepts learned in prior courses. In addition to the integrated pharmaceutical care modules, students in the second and third professional curriculum complete courses in areas related to drug information systems, pharmacy and health care management, pharmacy law and ethics, communications, and the application of advanced practice skills.

The college maintains affiliation agreements with the hospitals in the Oklahoma Health Center as well as with many other community pharmacies, hospitals, and specialized health organizations in the state of Oklahoma and Oklahoma City and Tulsa metropolitan areas. These educational partners provide a variety of outstanding pharmacy practice sites and experienced practitioners who serve as adjunct faculty members in the College.

Admission Requirements

Admission to the doctor of pharmacy program requires completion of a minimum 64 semester hours of pre pharmacy courses with a GPA of 2.5 or above.

Students are admitted only into the fall term each year. The deadline for receipt of all application materials for admission to the doctor of pharmacy program is November 1. Required by the November 1 deadline are the (1) completed PharmCAS application, (2) completed College of Pharmacy Supplemental Application (3) official college transcripts, (4) TOEFL scores for 550 or above for international students, (5) Pharmacy

Prerequisite Courses

Course	Semester Hours
Biological Sciences (<i>4 hours must be microbiology with lab</i>)	12–16
General Chemistry I with Lab	4–5
General Chemistry II with Lab	4–5
Organic Chemistry I with Lab	4–5
Organic Chemistry II with Lab	4–5
General Physics	3
Calculus	3
English Composition I	3
English Composition II	3
General Education Electives	24

Statistics for 2009 Entering Class Acceptees

Number interviewed:	158
Number accepted:	122
Estimated entering class size:	121
Estimated male (%):	41%
Estimated female (%):	59%
Estimated out-of-state (%):	27%

Application Process and Requirements

Participates in PharmCAS: Yes
 Deadline for receipt of applications: November 1
 Supplemental application required: Yes
 Supplemental application fee: \$65
 Expected GPA: 3.0
 Minimum overall GPA considered: 2.5
 Minimum prerequisite GPA considered: 3.0
 PCAT required: Yes
 Minimum PCAT scores considered: 50th percentile
 Oldest PCAT scores considered: 3 years
 Interview required: Yes

College Admissions Test, (6) three letters of recommendation, and (7) Fees. Application procedures and detailed admissions requirements are available via the college's website (<http://pharmacy.ouhsc.edu>). Selection for admission is competitive and the space in each entering class is limited. Oklahoma residents are given precedence over non-residents, although all quality applicants are encouraged to apply.

The admission requirements listed are minimum requirements. A preference will be given to applicants who have successfully completed a biochemistry course, upper-level sciences, both human anatomy and physiology and/or have received a bachelor's degree.

In order to be best prepared for pharmacy school, it is highly recommended that applicants complete zoology or general biology, microbiology, and at least either human anatomy or human physiology.

Electives can be chosen from these subject areas: Fine Arts (non-performance based), History, Political Science, Anthropology, Humanities, Geography, Philosophy, Literature, Social Science, Behavioral Science, Foreign Language, Communications, and English. A maximum of six hours in statistics, busi-

ness or computer science may be counted in the elective hours. Students are expected to have a computer proficiency level at or above basic word processing skills. Students are encouraged to select a diverse set of courses as preference is given to those with a broad-based educational background that includes a diversity component.

Other Programs

The college also offers an M.S. and Ph.D. in Pharmaceutical Sciences for those interested in pursuing graduate study. Additionally, there is a dual degree option of a Pharm.D./M.S. in Pharmaceutical Sciences.

For Further Information

The University of Oklahoma College of Pharmacy
 Office of Student Affairs
 P.O. Box 26901
 Oklahoma City, OK 73126 0901
 405-271-6598
oupharmd@ouhsc.edu
<http://pharmacy.ouhsc.edu>

Oregon State University

College of Pharmacy

Accreditation Status: *Full*
Type of Institution: *Public*
Main Campus: *Corvallis, OR*
Branch Campus(es): *Portland, OR*
Satellite Program(s): *None*



General Information

The Oregon State University College of Pharmacy has its roots in the department of chemistry and pharmacy that was established in 1898 at the Oregon Agricultural College. The four year program leading to a B.S. degree in pharmacy was an exception in pharmaceutical education of that era. Most pharmaceutical curriculums were two year programs through the first quarter of the twentieth century.

By 1909, pharmacy and chemistry were separated into two distinct departments. Graduate study in pharmacy leading to the M.S. degree was offered beginning in 1914. In 1917, the department became the school of pharmacy. Professor Adolph Ziefle, who had been head of the department since 1914, was appointed the first dean of the new pharmacy school.

Currently, the College of Pharmacy is one of 11 colleges at Oregon State University. Oregon State University is the land, sea, space and sun grant institution for the state. To broaden the preparation for professional activities and civil responsibilities, the students in the college are encouraged to join professional organizations.

The University is located in the city of Corvallis, which lies in the Willamette Valley between the Cascade Mountains and the Pacific Coast Range. Corvallis is located 90 miles south of Portland, which is the largest city in the state. With its population of approximately 50,000, Corvallis offers an attractive setting and facilities for the University. Although based in Corvallis, the college also has a satellite campus at the Oregon Health & Science University in Portland, Oregon.

On-campus housing consists of residence halls and cooperative houses. Residence halls vary in size, housing 300 to 375 students each, while cooperative houses vary in capacity from 30 to 60 students per house.

Off-campus housing consists mainly of rooming houses and apartments. Rooming houses are residences which may provide housing for one to fifteen students. Apartments are also available within cycling or walking distance. Size, furnishings, and amenities vary widely.

Mission/Vision

The Oregon State University College of Pharmacy serves the people of Oregon. The college is a core component of the university's theme of realizing fundamental contributions in the life sciences and optimizing the health and well being of the public. The college is recognized worldwide for its leadership in professional and graduate education; biomedical discovery and application; promotion of healthier, higher quality lives; and policy development for cost effective delivery of health care.

Our mission is to prepare the professional and graduate students of today to be the pharmacy practitioners and pharmaceutical science researchers of tomorrow. We contribute to improved health by advancing patient care and the discovery and understanding of medicines.

- The quality and completeness of our students' education is our top priority.
- We pursue excellence in education and scholarship.
- We promote community within the faculty and staff that is premised on collegiality, mutual trust, and respect.
- The college is responsible to its students, staff, and faculty to help them grow personally and professionally.
- We have the responsibility to assure that our graduates will safeguard the health of the public.

Curriculum

The Oregon State University Pharm.D. program is a four year professional curriculum that includes courses in professional practice

and law, pharmacology, pathophysiology and therapeutics, pharmacokinetics, pharmaceuticals, biochemistry, medicinal chemistry, drug literature evaluation, and drug use policy. Students spend their first two years on the OSU campus at Corvallis, Oregon, and the third year at our satellite campus in Portland, Oregon. Before entering the third professional year, students must complete a baccalaureate degree in an area of interest to them. In the fourth professional year, students complete supervised, off campus clerkships in various pharmacy practice sites located throughout the state and region. Seven six week clerkships must be completed. Students may choose clerkships that fit their specific career interests.

Admission Requirements

To be eligible for admission to OSU's Doctor of Pharmacy (Pharm.D.) program, prospective students must complete a series of prerequisite courses. These can be completed at OSU or another college or university. Prospective students interested in enrolling at OSU to complete the prerequisite courses must submit OSU's application for undergraduate admission which is available online at <http://oregonstate.edu/admissions/index.php>.

At a minimum, prospective applicants to Oregon State University's Doctor of Pharmacy (Pharm.D.) program must:

1. complete all of OSU's pre pharmacy requirements by June of the year seeking admission (June 2010 for September 2010 matriculation),
2. have at least a 2.75 PharmCAS Science GPA for instate applicants and a 3.0 PharmCAS Science GPA for out of state applicants,
3. have excellent written and interpersonal communication skills.

Applications to OSU's Pharm.D. program are handled through the Pharmacy College Application Service (PharmCAS). PharmCAS

Prerequisite Courses

Course	Semester Hours
Writing	6
General Chemistry	10
Organic Chemistry	8
Principles of Biology	8
Cell & Molecular Biology	3
Microbiology lecture with Lab.	3
Calculus	3
Statistics	3
Anatomy	4
Physiology	8
Physics	10
General Psychology	3
Economics	3
Interpersonal Communication	3

Statistics for 2009 Entering Class Acceptees

Number interviewed:	226
Number accepted:	93
Estimated entering class size:	80-90
Estimated male (%):	40%
Estimated female (%):	60%
Estimated out-of-state (%):	15-20%

Application Process and Requirements

Participates in PharmCAS: Yes
 Deadline for receipt of applications: December 1
 Supplemental application required: Yes
 Supplemental application fee: \$100
 Expected GPA: 3.25
 Minimum overall GPA considered: 2.75
 Minimum prerequisite GPA considered: 2.75
 PCAT required: No
 Minimum PCAT scores considered: Not applicable
 Oldest PCAT scores considered: Not applicable
 Interview required: Yes

is an on line application service that allows applicants to apply to multiple schools using a single application. Prior to submitting the application, applicants are strongly encouraged to read all the application instructions provided by PharmCAS and the PharmCAS 'School Page' for Oregon State University.

All applications to the OSU Pharm.D. program are submitted to PharmCAS. Applications are available in early June. Applicants must completely fill out the PharmCAS application, submit transcripts directly to PharmCAS, have letters of recommendation sent directly to PharmCAS, and pay all required application fees. A supplemental application and fee are required of all applicants. Incomplete and/or late applications will not be considered.

Selected applicants will be invited to campus for an interview. Interest in the field of pharmacy, interpersonal communication skills, and written communication skills are some of the traits evaluated during the interview. Applications are due on December 1. Newly admitted students start the Pharm.D. program each September. While a majority of students admitted to the Pharm.D. program at Oregon State are from Oregon, exceptional out of state students are encouraged to apply.

Other Programs

M.S. or Ph.D.

The College of Pharmacy at Oregon State University offers a research-oriented program of graduate study in pharmacy (M.S. and Ph.D.) that is individually designed to meet student career interests and goals.

Our nationally renowned faculty has strengths in all areas of pharmaceutical science and many have been recognized for teaching excellence and outstanding research and professional activities. Research focus areas include the exploration and design of anti-infective agents, the design and development of innovative drug dosage forms, and the mechanisms and consequences of drug interactions with living organisms.

For Further Information

College of Pharmacy
 Oregon State University
 203 Pharmacy Building
 Corvallis, OR 97331
 541-737-3424
pharmacy@oregonstate.edu
<http://pharmacy.oregonstate.edu/>

Pacific University Oregon

School of Pharmacy

Accreditation Status: *Full*
Type of Institution: *Private*
Main Campus: *Hillsboro, OR*
Branch Campus(es): *None*
Satellite Programs(s): *None*



SCHOOL of PHARMACY

General Information

Pacific University was founded in 1849, serving for many years as a home for orphans of the Oregon Trail. The program is housed at the Health Professions Campus in Hillsboro, Oregon, located in the western suburbs of Portland in the heart of Washington County, Portland's fast growing technology corridor.

The School of Pharmacy occupies the entire 4th floor which includes two dedicated classrooms with seating for 100 students each, a pharmaceuticals laboratory, fourteen dedicated and state of the art equipped group study/break out rooms, pharmacy student lounge space and pharmacy student lockers.

Students participate in a variety of student and professional organizations. Student government coordinates student organization activities, ensures student input in School decisions, and promotes professionalism. Entering students agree to abide by the Pledge of Professionalism, Code of Ethics, and other school policies governing professional and academic behavior.

As the program is located adjacent to Portland's extensive light rail system, students typically live throughout the Portland metropolitan area.

Mission/Vision

The mission of the School of Pharmacy is to provide a learner centered environment that promotes excellence in professional pharmacy education, scholarship and service and prepares students to provide patient centered medication therapy management to a diverse population with an integrated faculty through teamwork, professionalism, and critical thinking.

Curriculum

The School of Pharmacy offers a 3 year professional curriculum leading to the Doctor of Pharmacy degree. The curriculum is composed of two didactic years followed by one clinical year. During the first two academic years, students spend one day every other week in a patient care/pharmacy setting gaining experience that supports the classroom material. The curriculum is based on a modified block design that allows the sequential delivery of courses rather than the more traditional method of teaching multiple courses concurrently. Students are not assigned letter grades in the curriculum but are instead assigned either a "pass" or "no pass" based on achievement of 90% of stated competencies. Students are assessed every two weeks during the first 2 years of the curriculum. Students who do not achieve the necessary level of competence are given opportunities for extended learning. Extended learning opportunities follow each assessment and during a dedicated period in the summer. The curriculum places an emphasis on integration of knowledge, critical thinking, and utilization of evidence based principles.

Faculty have the time to involve the students in role playing, group debates, small group activities, case presentations, expository writing, large and small group discussions, laboratory assignments, critical literature reviews, and other forms of active learning. This model is further enhanced by assigning students to teams of six during the orientation which are maintained throughout the P1 year. Teams are reassigned at the beginning of the P2 year.

Admission Requirements

Applicants to the program are required to submit a PharmCAS application that becomes available June 1. The final deadline for submitting PharmCAS and supplemental applications is November 2. Admission is highly selective and enrollment to the School of Pharmacy is limited to 98 individuals. To be eligible for admission, students must meet prerequisite requirements by the date of enrollment. First-time pharmacy student admission is offered only into the first professional year. Due to the 3-year modified block curriculum, the School will evaluate students who wish to transfer on a case-by-case basis and will conduct a student interview.

Based on the review of applications by the School of Pharmacy Admissions Committee, selected applicants are invited for on-campus personal interviews. The interview is required and is a strong contributing factor in the admission decision. It allows the Admissions Committee to assess skills which may not be reflected in the application. In the interview, consideration is based on knowledge of the profession, motivation toward a career as a Pharmacist, ability to think clearly and logically, writing skills, team-work abilities, self-confidence, professionalism and verbal expression of ideas. Interviews will be held between November and February.

The School of Pharmacy Admissions Committee considers the following factors in the selection process:

- Strength and breadth of academic record
- Type and depth of prior pharmacy experience (a 40-hour minimum requirement)
- Strength of written letters of recommendation
- Content, completion, and neatness of application forms
- Quality of writing ability as demonstrated by personal narrative and current issue essays
- Understanding and knowledge of the pharmacy profession

Prerequisite Courses

Course	Semester Hours
General Biology with lab	8
Microbiology	3
Human Anatomy & Physiology with lab	8
General Chemistry with lab	8
Organic Chemistry with lab	8
Physics with lab	3
Calculus	3
English Composition (3 hours of composition)	6
Speech (may include Speech, Communication, Debate)	3
Psychology (must include Intro or Abnormal psychology)	3
Economics (must include Micro or Macro)	3
Social/Behavioral Sciences (may include anthropology, government, human development, sociology, or additional psychology)	3
Humanities/Fine Arts (may include geography, history, religion, philosophy, literature, performance, visual arts, drama)	3

Statistics for 2009 Entering Class Acceptees

Number interviewed:	248
Number accepted:	134
Estimated entering class size: . . . . .	.98
Estimated male (%):	33%
Estimated female (%):	67%
Estimated out-of-state (%):	67%

Application Process and Requirements

Participates in PharmCAS: Yes
 Deadline for receipt of applications: November 1
 Supplemental application required: Yes
 Supplemental application fee: \$50
 Expected GPA: Not reported
 Minimum overall GPA considered: 2.7
 Minimum prerequisite GPA considered: 2.7
 PCAT required: No
 Minimum PCAT scores considered: Not applicable
 Oldest PCAT scores considered: Not applicable
 Interview required: Yes

- Quality, quantity and type of community activities
- Strength of on-campus personal interview

The School of Pharmacy does not require the applicant to take a standardized examination (i.e. Pharmacy College Admissions Test (PCAT)) to be eligible for admission.

For Further Information

Office of Graduate and Professional Admissions
 School of Pharmacy
 Pacific University
 222 SE 8th Avenue, Suite 212
 Hillsboro, OR 97123
 503-352-7225
www.pacificu.edu

Duquesne University

Mylan School of Pharmacy

Accreditation Status: *Full*
Type of Institution: *Private*
Main Campus: *Pittsburgh, PA*
Branch Campus(es): *None*
Satellite Program(s): *None*



General Information

The School of Pharmacy is in its fourth quarter century of providing quality pharmacy education. The first Pharmacy class matriculated in September 1925 under the leadership of the founding dean, Dr. Hugh C. Muldoon, and graduated in 1928. In May 2000, the Mylan School of Pharmacy graduated the first entry level Doctor of Pharmacy class. The School of Pharmacy continues to educate pharmacists who are making important contributions as health care practitioners.

Duquesne University is a private, Catholic, urban institution with a modern 49 acre campus situated on a hilltop riverside bluff overlooking the Golden Triangle of "Renaissance City" Pittsburgh. The Mylan School of Pharmacy and the Graduate School of Pharmaceutical Sciences is housed in the award winning Mellon Hall of Science, with new administrative, faculty, and student services offices located in the adjacent Bayer Learning Center. A center for pharmacy care/wellness occupies the Muldoon Building on campus.

A complete program of student services and activities is provided in the living learning centers and on campus for resident and commuter undergraduate students. The School of Pharmacy has numerous organizations and activities that provide each student with extracurricular and co curricular opportunities for professional, personal, social and cultural development. Immediately adjacent to the University campus is downtown Pittsburgh, and the nearby South Side, a business, shopping and entertainment district where students may find a wide array of complementary activities and services.

About half of Duquesne University full time students reside in the five campus living learning centers. Many upper class students locate housing in the metropolitan Pittsburgh area in relative proximity to the University.

Mission/Vision

The Mylan School of Pharmacy and the Graduate School of Pharmaceutical Sciences is committed to providing excellence in pharmaceutical education.

The mission of the Mylan School of Pharmacy and the Graduate School of Pharmaceutical Sciences is to prepare students for careers in the profession of pharmacy. Consistent with the Duquesne University mission, the values that guide the School are an appreciation for ethical and spiritual values, and a sense of personal, professional, and social responsibility.

The goals of the Mylan School of Pharmacy are:

- to prepare graduates of the professional program to apply the pharmaceutical, social, administrative, and clinical sciences to develop pharmaceutical care in a manner which promotes positive health outcomes;
- to provide programs, services and resources those foster an environment for the personal and professional growth of students, alumni, practitioners and faculty.

The goals of the Graduate School of Pharmaceutical Sciences are:

- to prepare graduates of the Graduate School to serve as pharmaceutical scientists and educators, and to make contributions to the body of scientific knowledge through research and scholarship.

Curriculum

The full-time on-campus traditional Pharm.D. pathway is configured in a two-year preprofessional and four-year professional curricular format. A weekend only pathway to earn the Doctor of Pharmacy degree is offered. The new pathway of professional pharmacy education is for highly qualified post-baccalaureate transfer students seeking a career as licensed pharmacists.

The faculty of the Mylan School of Pharmacy has developed a competency-based, outcomes-oriented curriculum that prepares future generalist pharmacy practitioners to provide pharmaceutical care to patients. The professional curriculum emphasizes critical thinking, problem solving, active learning and enhanced communications skills. Integrated studies in the biological, chemical, pharmaceutical, administrative, behavioral and clinical sciences are taught using traditional and innovative instructional techniques. It includes a multi-year, introductory-to-advanced level experiential education component. Opportunities are provided for additional elective course preparation in community pharmacy practice, institutional practice, management, geriatrics, pediatrics, industrial practice, and for post-Pharm.D. study (residencies, fellowships, MBA, M.S. and Ph.D.).

Admission Requirements

Qualified high school students are accepted into the preprofessional phase of the Doctor of Pharmacy program. For admission directly from high school, prospective preprofessional Pharmacy students must apply through the Duquesne University Office of Admissions, Administration Building, Pittsburgh, PA 15282 www.duq.edu/admissions. Progression from the preprofessional phase to the professional phase of the Pharm.D. program is contingent upon the successful completion of all preprofessional course work and a competitive School of Pharmacy-based admission process. The Mylan School of Pharmacy will conduct this selection process during the spring semester of the second preprofessional year of the program.

A limited number of qualified transfer students may be admitted to the first professional year of the Pharm.D. program. Consideration of transfer students is contingent on the availability of a position in a first professional year class and on an evaluation of completed prior course work. For the Weekend Pharm.D.

Prerequisite Courses

Course	Semester Hours
General Biology with lab	8
General Chemistry with lab (10 credit hours at DU)	8
Organic Chemistry with lab	8
General Physics with lab (4 credit hours at DU)	8
Calculus (for science or math majors)	4
English Composition and Literature	3
English Literature	3
Theology	3
Philosophy	3
Ethics	3
Global Diversity	3
Faith and Reason	3
Creative Arts	3
Social Justice (Economics required)	3
Information Literacy (1 credit hour at DU)	3
Biostatistics	3
Psychology	3

Additional prerequisites for the Doctor of Pharmacy weekend pathways:

Human Physiology & Pathology	8-9
Biochemistry	6
Microbiology	3

Statistics for 2009* Entering Class Acceptees

Number interviewed:	Not reported
Number accepted:	545
Estimated entering class size:	172
Estimated male (%):	41%
Estimated female (%):	59%
Estimated out-of-state (%):	26%

* Data listed are for incoming freshmen students only.

Application Process and Requirements

Participates in PharmCAS: No

Deadline for receipt of applications: December 1 (Freshmen) ; October 1 (Transfers) ; March 1 (Week-end Pathway)

Supplemental application required: No

Supplemental application fee: Not applicable

Expected GPA: 3.0

Minimum overall GPA considered: 2.5

Minimum prerequisite GPA considered: 2.5

PCAT required: Yes

Minimum PCAT scores considered: 375

Oldest PCAT scores considered: No limit

Interview required: Yes

Pathway applicants, an earned baccalaureate degree from an accredited U.S. college or university is required.

The Mylan School of Pharmacy admissions committee will review the application credentials required of all applicants, all pathways, for the first professional year of the Doctor of Pharmacy program. The required application credentials include:

1. Official academic transcripts of preprofessional course work (minimum of "C" grade in each of the required courses in the preprofessional curriculum);
2. PCAT exam scores (minimum of 375 to apply);
3. Personal interview evaluations;
4. Written evidence of community and professional involvement.

The application deadline for all applicants for the Duquesne University preprofessional phase is December 1; for the first year of professional phase (Traditional Pathway), October 1; and for the Weekend Pathway, beginning September 1 and ending on March 1.

For Further Information

Admissions and Recruitment Coordinator
Mylan School of Pharmacy
Duquesne University
Bayer Learning Center, Room 304
Pittsburgh, PA 15282
412-396-6393
admission@duq.edu (for preprofessional phase)
pharmadmission@duq.edu (for transfer and Weekend Pathway)
www.duq.edu/pharmacy

Lake Erie College of Osteopathic Medicine

LECOM School of Pharmacy

Accreditation Status: *Full*
Type of Institution: *Private*
Main Campus: *Erie, PA*
Branch Campus(es): *Bradenton, FL*
Satellite Program(s): *None*



General Information

LECOM is a private, non-profit institution offering professional programs in pharmacy and medicine. The College has three locations. The main campus is in Erie, Pennsylvania with an additional location in Greensburg, Pennsylvania and a branch campus in Bradenton, Florida. LECOM Erie and LECOM Bradenton both offer the Doctor of Pharmacy Degree.

LECOM is a member of the Millcreek Health System, which operates an Academic Health Campus including Millcreek Community Hospital, LECOM, Millcreek Geriatric, Education and Care Center, Medical Associates of Erie physician offices, and the LECOM Medical Fitness and Wellness Center. The LECOM School of Pharmacy is affiliated with over 1,800 practice sites to provide experiential rotations for its students. Chartered in 1992, LECOM's enrollment has grown to more than 2,500 students.

Mission/Vision

The mission of the LECOM School of Pharmacy is to prepare pharmacy professionals committed to provide high quality, ethical and empathetic patient centered care to serve the needs of a diverse population. Through the integration of sciences with critical thinking skills and effective communication we will prepare future pharmacists to be strong patient advocates and leaders in their communities, in professional associations, and in research activities.

The LECOM School of Pharmacy Erie Campus opened its doors to the inaugural class in 2002. A 150,000 square foot facility houses a large learning resource center, lecture halls, model pharmacy, compounding/sterile products laboratory, pharmaceutical care laboratory, physical assessment laboratory, computer training room, and study rooms.

The LECOM School of Pharmacy Bradenton

Campus inaugural class began in 2007. A 109,000 square foot facility houses a learning resource center, lecture halls, multi purpose laboratories, pharmaceutical care laboratory, computer training room, and study rooms.

LECOM does not provide student housing; however, an adequate number of off campus housing options are available and conveniently located near the School at both campuses. The Office of Student Affairs provides assistance with housing and financial aid.

The LECOM School of Pharmacy has numerous officially recognized clubs and organizations; such as American Pharmacists Association Academy of Student Pharmacists, Student Ambassador Program, Mentoring Club, Student Government Association, National Community Pharmacists Association, Phi Lambda Sigma National Pharmacy Leadership Society, Student Society of Health System Pharmacists, Rho Chi, RxRunners Club, American Society of Consultant Pharmacists, Kappa Psi, Habitat for Humanity, Christian Pharmacists Fellowship International, and Student National Pharmaceutical Association.

Curriculum

The LECOM School of Pharmacy offers only the professional program in pharmacy. At the Erie Campus, an innovative, three year, year round pathway leads to the Doctor of Pharmacy degree. At the Bradenton Campus, a traditional four year pathway leads to the Doctor of Pharmacy degree. The professional program is structured around an outcomes based curriculum where the integration of basic sciences, pharmacy practice, and professional experiences are emphasized. Students are exposed to an early involvement with patient contact and pharmaceutical care from the first year of the curriculum. This allows a progressive development of students' professional communication skills as well as a true appreciation of pharmaceutical care concepts. Emphasis is placed on professionalism and life long learning.

Admission Requirements

Admission to the LECOM School of Pharmacy Doctorate of Pharmacy program is highly competitive, and acceptance offers are made on a rolling admissions basis. The completion of a PharmCAS application is required. The PharmCAS deadline is March 1, 2011. To be considered for admission to the School of Pharmacy, applicants must: 1) Submit an on line application to PharmCAS; 2) Complete a minimum of 60 semester hours of prerequisite coursework, and all of the prerequisite course requirements must be taken at an accredited two or four year college or university in the United States by the Spring semester prior to matriculation into the LECOM School of Pharmacy; 3) Complete all pharmacy prerequisites with a minimum grade of C (70%) in each course; 4) LECOM School of Pharmacy will not accept CLEP credits for prerequisite courses; 5) Advanced placement credits will be accepted for pre requisite coursework with a score of 4 or higher and Inter Baccalaureate credits will be accepted for pre requisite coursework with a score of 5 or higher. 6) Submit Pharmacy College Admissions Test (PCAT) results to PharmCAS (applicants may submit PCAT scores from exams taken within three years prior to the date of matriculation. LECOM requires the PCAT; however an exception will be granted for applicants who will have completed at least a bachelor's degree at an accredited U.S. four year college or university. If selected for an interview, a written assessment will be performed during the on site interview for those previously mentioned individuals who have not taken the PCAT. Acceptance into the program will be contingent upon completion of the bachelor's degree prior to matriculation); 7) Earn a minimum cumulative grade point average of 2.7 on a 4.00 scale; 8) Submit two letters of recommendation to PharmCAS (one letter should be from an undergraduate science professor), and; 9) Initially submit all academic transcripts to PharmCAS.

Prerequisite Courses

Course	Semester Hours
English	6
Biology with lab	8
General Chemistry with lab	8
Organic Chemistry with lab	8
Physics	3
Calculus	3
Statistics	3
Economics	3
Psychology or Sociology	3
General Education Electives in subject areas other than the above prerequisites; such as humanities and social sciences	15

Statistics for 2009 Entering Class Acceptees

Number interviewed:	806
Number accepted:	255
Estimated entering class size:	255
Estimated male (%):	45%
Estimated female (%):	55%
Estimated out-of-state (%):	51%

Application Process and Requirements

Participates in PharmCAS: *Yes*
 Deadline for receipt of applications: *March 1*
 Supplemental application required: *No*
 Supplemental application fee: *Not applicable*
 Expected GPA: *3.5*
 Minimum overall GPA considered: *2.7*
 Minimum prerequisite GPA considered: *2.7*
 PCAT required: *Yes*
 Minimum PCAT scores considered: *No minimum*
 Oldest PCAT scores considered: *3 years*
 Interview required: *Yes*

Once the applicant is either admitted into the class or selected as an alternate, the applicant must submit an official transcript of spring grades directly to LECOM School of Pharmacy Admissions Office as soon as grades are received. Once the applicant is admitted into the class, the incoming student must submit an official transcript from every institution attended to LECOM School of Pharmacy Admissions Office. Additionally, accepted applicants are required to submit a \$500 non refundable deposit to be applied towards tuition once matriculated. For applicants that apply to both Erie and Bradenton campuses; once the applicant pays the deposit at one campus, the application will be automatically withdrawn from the other campus.

Applicants are evaluated on academic performance in the prerequisite courses, interest in and adaptability to the profession of pharmacy, and an on site interview. Applicants being considered for admission will be invited for an on site interview on a rolling basis between October and May.

LECOM has established affiliation agreements with undergraduate institutions; please visit the LECOM website for the list of college affiliations.

For Further Information

LECOM School of Pharmacy Erie Campus
 Office of Admissions
 LECOM School of Pharmacy
 1858 West Grandview Blvd.
 Erie, PA 16509
 814-866-6641
pharmacy@lecom.edu
www.lecom.edu

LECOM School of Pharmacy Bradenton Campus
 Office of Admissions
 LECOM School of Pharmacy
 5000 Lakewood Ranch Boulevard
 Bradenton, Florida 34211
 941-756-0690
Pharm_fla@lecom.edu
www.lecom.edu

University of the Sciences in Philadelphia

Philadelphia College of Pharmacy

Accreditation Status: *Full*
Type of Institution: *Private*
Main Campus: *Philadelphia, PA*
Branch Campus(es): *None*
Satellite Program(s): *None*



*Philadelphia College
of Pharmacy*

General Information

The Philadelphia College of Pharmacy (PCP) at University of the Sciences in Philadelphia (USP) has been setting the standard in pharmacy education since it was founded in 1821, as the nation's first college of pharmacy. It has over 1,500 pharmacy students, and is one of the nation's largest pharmacy schools.

Many well known leaders of the American pharmaceutical industry graduated from PCP: Eli Lilly and Josiah Lilly, William Warner, John Wyeth, Sir Silas M. Burroughs, Sir Henry S. Wellcome, Robert McNeil and Robert L. McNeil.

PCP is ideally situated just outside of center city Philadelphia in the midst of a number of nationally renowned medical institutions offering prime practical learning opportunities. Seventy five (75) percent of U.S. pharmaceutical firms are located within a two hour drive of the University. Located on 42 landscaped acres, its 19 buildings boast modern classroom facilities and over 80 state of the art laboratories. The library contains one of the largest collections of pharmaceutical literature in the country including electronic sources, thus making its holdings available to users from anywhere in the world.

The McNeil Science and Technology Center opened in 2006 increasing the opportunities for more research activities among students and faculty. More recently, the Center for Advanced Pharmacy Studies or CAPS laboratory was completely renovated and includes MedgaCode Kellie®, a full size manikin that allows students to participate in mock codes as well as a Micro Sim® system that allows pharmacy students to work with virtual patients with a variety of medical conditions. These innovations allow for more hands on learning to occur during laboratory sessions. The student center includes residence space, classrooms, meeting rooms, game rooms and dining facilities. A 78,000 square foot athletic and recreation center features expanded fa-

cilities for athletic events, as well as a pool, jogging track, weight, dance, and exercise rooms. USP intercollegiate teams compete at the NCAA division II level in the Central Atlantic Collegiate Conference. USP's writing center provides students with assistance in any kind of writing task. The academic success center offers small group tutoring in the pre professional science courses and supplemental instruction in selected courses. Study skills development workshops are available throughout the year for interested students.

Individualized academic advising is provided by professional advisors and faculty members. Services provided by the student affairs office include student health services, counseling by resident psychologists, and multicultural advising. Coordination and staff support for student government activities, professional associations, honor societies, student publications, student volunteer efforts, fraternities and sororities, and special interest clubs is also provided by this office, offering students both an academic and social support system.

Housing needs are met by four residence halls on-campus, off-campus apartments and fraternity housing. University City and the surrounding areas abound with interesting restaurants, cultural events, shopping and museums.

Mission/Vision

The mission of the Philadelphia College of Pharmacy is to develop respected professionals and leaders in the science, practice, and business of pharmacy. We will accomplish this by:

- Creating and maintaining exemplary educational experiences
- Promoting and engaging in outstanding scholarship and competitive research programs across all disciplines
- Providing professional and public service to the local and national communities

- Ensuring our graduates have the knowledge, skills, and values to be successful in their professional careers
- Fostering and maximizing the network of alumni and healthcare and industry partners

Our vision is to create and foster dedicated pharmacists who will have a moral commitment to improve the quality of life of individual patients and have a positive impact on society by being an integral part of the healthcare team. Our graduates will be compassionate, innovative, highly sought after, and respected leaders of the pharmacy profession. They will be able to adapt to the dynamic nature of the healthcare system and changing technology and serve as positive role models in the community. Our program will foster these ideals by providing a strong scientific education and promoting communication, problem solving, and critical thinking skills through lifelong learning.

Curriculum

At PCP, students are admitted as freshmen to the College of Pharmacy. Students in good academic standing after completing two years of pre professional study in the sciences and liberal arts are guaranteed a place in a professional program leading to licensure.

To qualify for the entry level Pharm.D. degree, a minimum of 209 semester credits of approved courses is required, including 53 credits of General Education coursework. A student must earn a minimum of 12 semester hours each semester and must be enrolled full time for 12 semesters. The degree requirements include 40 weeks of advanced pharmacy practice experience.

The expertise of the faculty in the College ranges from community pharmacy, institutional pharmacy, and clinical pharmacy through pharmacy administration, pharmaceuticals, pharmacoconomics, pharmacology, pharmacokinetics, and pharmaceutical

Prerequisite Courses

Course (<i>high school</i>)	Units
English	4
American History	1
Social Science or History	1
Mathematics*	3
Science**	3
Academic Electives (<i>language, mathematics, science, history, etc.</i>)	4

*Must include 2 years of algebra and 1 year of plane geometry. An additional year of higher level mathematics is strongly recommended.

**Must include at least 2 of the following: biology, chemistry, and physics. All three are strongly recommended.

Statistics for 2009 Entering Class Acceptees

Number interviewed	NR
Number accepted	894
Estimated entering class size	284
Estimated male (%)	44%
Estimated female (%)	56%
Estimated out-of-state (%)	63%

Application Process and Requirements

Participates in PharmCAS: No

Deadline for receipt of applications: January 15

Supplemental application required: No

Supplemental application fee: Not applicable

Expected GPA: 3.0

Minimum overall GPA considered: 3.0

Minimum prerequisite GPA considered: 3.0

PCAT required: Yes

Minimum PCAT scores considered: 70th percentile

Oldest PCAT scores considered: 2 years

Interview required: Yes

product development. Whether the class is a lecture, a recitation, a conference, or a laboratory, the emphasis is on individual student success.

Experience based instruction is accomplished through a coordinated program that utilizes the extensive community, institutional, and industrial facilities in the Philadelphia area and beyond.

The Philadelphia College of Pharmacy has implemented a new curriculum that emphasizes the elaboration of competency in knowledge, skills attitudes, and values across the curriculum. A learner centered approach, using active learning techniques, integration of information across courses and program years, as well as a focus on application of learned knowledge and skills to solve problems allows students to proactively develop competency and challenge themselves academically and professionally.

Admission Requirements

PCP seeks students whose interests, aptitudes and achievements excel in the sciences, English and mathematics, and who are motivated for professional study. High school subjects required for admission are: English, 4 credits; American history, 1 credit; social science

or history, 1 credit; mathematics, at least 3 credits; science, at least 3 credits beginning with biology, and additional academic subjects preferably mathematics, science and language, to total 16 credits. Scores from the SAT or American College Test (ACT) are required.

USP practices a rolling or continual admission policy, with applications reviewed as they are completed and admission decisions provided to students throughout the admission cycle. This process continues until all available space in the class is filled. Accepted students must submit an enrollment reservation by May 1 to reserve a place in the entering class. Those seeking admission as transfer students must supply, in addition to the credentials listed above, transcripts of all prior college work by January 15. The Pharmacy College Admission Test (PCAT) and a personal interview are required for admission to PCP as a transfer student. In reviewing an application the Admissions Committee considers several criteria, among them, the subject matter completed by the applicant in high school and/or college; the grades obtained in those subjects; rank in class; standardized test scores; communication skills; understanding of the pharmacy profession; commitment to patient care; and motivation.

Other Programs

In recognition of the pharmaceutical and health care industry's need for entry-level staff that have significant pharmacy background, the College also offers four-year Bachelor of Science (non-licensure) degrees in Pharmaceutical Sciences and Pharmacology and Toxicology.

For Further Information

Admissions Office
888-996-USIP (8747)
www.usp.edu

Temple University

School of Pharmacy

Accreditation Status: Full
Type of Institution: Public
Main Campus: Philadelphia, PA
Branch Campus(es): None
Satellite Program(s): None



General Information

Temple University is a comprehensive public research university that enrolls more than 34,000 students, is the 26th largest university in America and is one of the nation's leading centers of professional education. Located in the hub of the Delaware Valley's extensive pharmaceutical industry and founded in 1901, Temple University School of Pharmacy is one of the oldest in the Commonwealth of Pennsylvania. Though the majority of our students come from Pennsylvania, we pride ourselves on our diverse student population as we successfully attract applicants from all over the country and world. Temple is part of a Health Sciences Campus; our students can draw upon the extensive resources, staff, and facilities of Temple University Health System, the Schools of Medicine, Dentistry, Podiatry and the College of Health Professions. Our faculty members are dedicated educators, active clinical practitioners and pharmaceutical scientists.

The School provides a comprehensive learning environment including a patient simulation teaching lab, compounding and sterile products laboratories, a computer lab equipped with pharmacy practice software programs, and multi media lecture halls. Our School is one of only 6 in the country that has a cGMP manufacturing facility as well as Pharmacokinetics and Bioanalysis Laboratories, the Moulder Center for Drug Discovery Research, the Jayne Haines Center for Pharmacogenomics and Drug Safety, Behavioral Pharmacology and Addiction Research Laboratory. These facilities provide students with the opportunity to conduct "hands on" research with world class scientists.

Technology investments have earned the University a top ranking from The Princeton Review as one of Americas most connected campuses. A \$16 million TECH Center, one of the largest on campus computer facilities of its kind in the nation, is available to students on the Main Campus located four

miles from the Health Sciences Campus. The new Health Science Center Library, dedicated in October 2009, is located one block from the Pharmacy School. The library has seating capacity for over 1,000 students, 30 study rooms and 175 computer workstations for student use. Students have on line access to electronic journals and books in addition to an extensive collection of books and journals housed within the library.

While students have the benefits associated with attending a large University, the School's Office of Student Services facilitates course registration, billing, handling of transcripts, and provides personal support. Pharmacy students have the opportunity to participate in a variety of professional and social organizations encouraging the development of leadership skills, a commitment to serve the community and a bond with the profession.

Mission/Vision

Mission Statement

The School of Pharmacy at Temple University provides the environment to achieve excellence and opportunity in education, research and practice. It offers a comprehensive array of professional and graduate programs addressing the profession of pharmacy in all of its existing and developing forms, as well as the associated corporate sector. By advancing scientific discovery and preparing its graduates to practice innovative patient care, the School strives to improve the health and well being of the communities it serves.

Vision Statement

In the next decade, the School will establish a strong national presence and reputation for excellence in research, scholarship, education and practice. This will be accomplished by recruiting excellent faculty, securing external support from federal, foundation, and corporate sources, and by the continuous development of excellent academic programs that attract students of the highest quality

who graduate to become outstanding practitioners and scientists.

Curriculum

The innovative Doctor of Pharmacy curriculum prepares students for a broad array of careers in pharmacy. Students are admitted to the Pharm.D. Program after completing a minimum of 63 semester hours (e.g., 2 years) of pre professional collegiate study at an accredited college or university. Subsequent to admission, pharmacy students must satisfactorily complete four (4) years of professional study. The Curriculum is comprised of courses in the pharmaceutical sciences (anatomy/physiology, medicinal chemistry, pharmacology, pharmaceuticals, pharmacokinetics/dynamics and pharmacogenomics); the clinical sciences (pathophysiology/therapeutics, drug information/literature evaluation, and clinical pharmacokinetics); pharmacy administration (pharmaceutical economics, health care delivery) and pharmacy law. Introductory Practice Experiences (IPPEs) which are integrated with the didactic course work are completed over the first three professional years of the curriculum. The IPPEs have been designed to reinforce knowledge and skills learned in the didactic curriculum while providing students with the opportunity to prepare for the Advanced Pharmacy Practice Experiences. Third year students select from a diverse array of elective courses and have the opportunity to differentiate their degree by completing an elective track. Available tracks include Advanced Clinical Practice, Clinical Research, Drug Safety and Nuclear Pharmacy. A Business track is also offered through a collaborative agreement between the School of Pharmacy and the University's Fox School of Business and Management. Faculty offer opportunities for students to participate in research projects conducted in the lab or in the clinical setting. The fourth year is comprised of 36 weeks of Advanced Pharmacy Practice Experiences completed under the supervision of faculty preceptors.

Prerequisite Courses

Course	Semester Hours
Biology I and II with Labs	8
Chemistry I and II with Labs	8
Physics I and II with Labs	8
Organic Chemistry I and II with Labs	8
Analytical Reading/Writing	3
Arts	3
Calculus I	4
Economics	3
Foreign language/International studies	6
Mosaic I: Intellectual Heritage I	3
Mosaic II: Intellectual Heritage II	3
Race and Diversity	3
U.S. Society	3

Statistics for 2009 Entering Class Acceptees

Number interviewed	373
Number accepted	285
Estimated entering class size	160
Estimated male (%)	52%
Estimated female (%)	48%
Estimated out-of-state (%)	49%

Application Process and Requirements

Participates in PharmCAS: Yes
 Deadline for receipt of applications: February 1
 Supplemental application required: Yes
 Supplemental application fee: \$50
 Expected GPA: 3.5
 Minimum overall GPA considered: 3.0
 Minimum prerequisite GPA considered: 3.0
 PCAT required: Yes
 Minimum PCAT scores considered: 50th percentile
 Oldest PCAT scores considered: 3 years
 Interview required: Yes

In addition to the Doctor of Pharmacy (Pharm.D.), we offer Master of Science (M.S.) and Doctor of Philosophy (Ph.D.) degrees in Pharmaceutics, Pharmacodynamics and Medicinal Chemistry. Our Master of Science program in Quality Assurance/Regulatory (QA/RA) is the most comprehensive in the world.

For Further Information

Office of Admissions
 Temple University School of Pharmacy
 3307 North Broad Street
 Philadelphia, PA 19140
 215-707-4900
www.temple.edu/pharmacy/

Admission Requirements

Applications to Temple University School of Pharmacy are processed through the Pharmacy College Admission Service (PharmCAS). Upon completion of the online application students must directly submit to the Admissions Office a supplemental application available for download at the School's web site. The application deadline is February 1, for both the PharmCAS portion and the supplemental application. Criteria for interview and admission to Temple's Pharm.D. program are established by the Admissions Committee. Applicants must achieve transferable grades in all prerequisites, and have a competitive grade point average for initial consideration as potential students. All candidates for admission must participate in an interview where verbal communication skills are evaluated. The interview is by invitation only. Temple University is an equal opportunity, nondiscriminatory institution.

Thomas Jefferson University

Jefferson School of Pharmacy

Accreditation Status: *Candidate*

Type of Institution: *Private*

Main Campus: *Philadelphia, PA*

Branch Campus(es): *None*

Satellite Program(s): *None*



General Information

The Jefferson School of Pharmacy (JSP) was established by the Trustees of Thomas Jefferson University (TJU) in March of 2006 to address the national and regional shortage of pharmacists and to advance the TJU strategic initiative of enhancing interprofessional education and training. TJU is a private, nonprofit health sciences university and academic health center dedicated to furthering humanitarian principles of health preservation and the advancement of the art and science of health care. TJU consists of the Colleges/Schools of Medicine, Graduate Studies, Pharmacy, Nursing, Health Professions, and Population Health. TJU is closely affiliated with the Thomas Jefferson University Hospital which has the oldest accredited pharmacy residency program and for decades has been widely regarded as having one of the most outstanding hospital pharmacy services in the country. The TJU campus covers four city blocks and includes 13 major buildings including the 135,000 square foot Dorrance H. Hamilton Building. The Hamilton Building was designed to teach the future leaders of healthcare delivery teams, side by side, in simulated clinical environments. Training together using the latest technologies in realistic environments gives students the knowledge, experience, and mindset to be successful members and leaders of the integrated healthcare team. The campus is located in center city Philadelphia within walking distance from the city's historical sites and several world renowned museums.

Mission/Vision

Through the provision of a learner centered, interdisciplinary curriculum, our students will develop the requisite knowledge, skills, and attitudes to provide excellent patient centered and population based care across all pharmacy practice settings. Consistent with the mission of Thomas Jefferson University, we strive to develop in our students a sense of social, personal and professional responsibility

and to advance health sciences through basic and applied research.

Our vision for JSP is that we will consistently demonstrate our ability to provide a superb environment that fosters collaborative relationships with healthcare practitioners and scientists that result in the advancement of patient care and safety, educational methodologies, and research. JSP will be recognized as a premier organization that advances the profession of pharmacy through our graduates and our faculty.

Our graduates will be recognized for their: ability to provide outstanding patient centered and population based care; leadership skills; cultural competency; social responsibility; and commitment to maintaining professional competence throughout their careers.

Our faculty will be recognized for their: strong commitment to the advancement of pharmacy and graduate education, patient care, and research; leadership in the professional societies and educational organizations; and strong commitment to the improvement of our community through service initiatives.

Curriculum

The Jefferson School of Pharmacy offers a four year professional Pharm.D. curriculum which must be preceded by a pre pharmacy undergraduate curriculum prior to enrollment. After enrollment in the Pharm.D. program students will complete 140 semester credits of didactic and experiential coursework.

JSP students engage in classroom discussion and learn through integration and application of the basic, clinical and administrative sciences. The curriculum is designed to help students effectively collaborate with other healthcare professionals to ensure that patients receive safe and effective drug therapy

and to understand how pharmacists can influence the healthcare system and positively impact public health. In developing students into professionals and creating the foundation for their life long learning, the didactic component of the Pharm.D. curriculum includes active learning techniques, simulated patient care environments, online learning, and problem based learning.

Experiential learning is a key component of the JSP curriculum. Students participate in Introductory Pharmacy Practice Experiences (IPPEs) every semester during the first 3 years of the program. IPPEs include community and hospital pharmacy, inpatient care, ambulatory care and healthcare service learning. During the final year, students participate in 6 full time advanced pharmacy practice experiences (APPEs) in a variety of settings including community pharmacy, hospital or health system pharmacy, ambulatory care, and inpatient or acute care. The remaining APPEs are elective experiences which students can choose according to their interests.

At Thomas Jefferson University, JSP is part of a community of professionals and scholars whose members learn with and from one another, embrace each other's contributions, and collaborate to provide the finest care possible. JSP students learn side by side with medical, nursing and other healthcare students in classes and simulations. One example of this collaboration is the JEFF Health Mentors program, facilitated by the Jefferson Center for Interprofessional Education. The program pairs individuals who have chronic illness(es) with teams of three or more first year students from different disciplines including couple and family therapy, public health, medicine, nursing, occupational therapy, pharmacy, and physical therapy. The students and patient meet four times a year for two years, discussing themes ranging from obtaining the Health Mentor's health history to exploring the barriers the Health Mentor may have encountered with

Prerequisite Courses

Course	Semester Hours
Biology with labs	8
Anatomy and Physiology with labs	8
Microbiology with lab	4
General Chemistry with labs	8
Organic Chemistry with labs	8
Physics with labs	8
Calculus	3
English Composition	3
Humanities	9
Social Sciences	9

Statistics for 2009 Entering Class Acceptees

Number interviewed:	211
Number accepted:	156
Estimated entering class size:	NR
Estimated male (%):	46%
Estimated female (%):	54%
Estimated out-of-state (%):	71%

Application Process and Requirements

Participates in PharmCAS: *Yes*
 Deadline for receipt of applications: *March 1*
 Supplemental application required: *Yes*
 Supplemental application fee: *\$25*
 Expected GPA: *3.0*
 Minimum overall GPA considered: *2.7*
 Minimum prerequisite GPA considered: *2.7*
 PCAT required: *Yes*
 Minimum PCAT scores considered: *70th percentile*
 Oldest PCAT scores considered: *2 years*
 Interview required: *Yes*

insurance and other healthcare systems. The program is intended to facilitate a better appreciation of the role that each discipline contributes to patient care as well as to allow the students to better empathize with the patients in their struggles while maneuvering the healthcare system.

Admission Requirements

JSP requires that all applications be submitted through the Pharmacy Centralized Application Service (www.pharmcas.org). Prospective students must complete the online PharmCAS application and submit their college transcripts, Pharmacy College Admission Test (PCAT) scores, and at least 2 letters of reference through PharmCAS. A Supplemental Application and \$25 fee are also required to be submitted to JSP (see <http://www.jefferson.edu/jchp/pharmacy/index.cfm>). JSP suggests that letters of recommendations should be from pharmacists, supervisors, or science faculty and does not accept recommendations from politicians, friends, family members, co-workers, or clergy unless they served in a supervisory role to the applicant.

The required 68 semester credits of pre-pharmacy must be completed prior to enrollment at any regionally accredited community

college, college or university. All science and math courses must be completed within 5 years of admission to JSP. All science courses must include both lecture and laboratory. To be considered for admission, it is desirable that the applicant have at least a cumulative GPA of 2.7 on a 4.0 scale. Scores at or above the 70th percentile in each subtest of the PCAT as well as in the composite score are considered competitive. In addition, it is desirable that the applicant have achieved scores of 3 or greater on the PCAT writing subtest.

Applicants are highly encouraged to demonstrate interest and understanding of the pharmacy profession through volunteer or work experience in a pharmacy prior to application. Demonstrated leadership skills, community service and other volunteer activities are also considered favorably in the application process, especially healthcare related activities.

Applicants selected from an initial screening will be invited to JSP for a required interview. JSP uses a rolling admissions process and will admit cohorts of applicants from late fall through early spring. Prospective students are encouraged to complete all required elements of the applications as early as possible.

For Further Information

Office of Admissions
 Jefferson College of Health Professions
 130 S. 9th St, Suite 100
 Philadelphia, PA 19107
 877-533-3247 or 215-503-8890
www.jefferson.edu/jchp/pharmacy

University of Pittsburgh

School of Pharmacy



Accreditation Status: *Full*
Type of Institution: *Public*
Main Campus: *Oakland, PA*
Branch Campus(es): *None*
Satellite Programs: *None*

General Information

Chartered in 1878, the School of Pharmacy is the oldest of the University of Pittsburgh's schools of the health sciences. The School of Pharmacy is located on the Pittsburgh campus of the University of Pittsburgh, a public higher education institution located on a beautiful 132 acre urban campus. The University's 12,000 employees, including 3,800 full time faculty members, serve approximately 34,000 students through the programs of 15 undergraduate, graduate, and professional schools.

The School of Pharmacy provides a rich learning environment for outstanding students with opportunities to participate in activities that enhance professionalism and leadership. Students participate in professional organizations at state and national levels and experience and learn about research from internationally recognized investigators.

Along with the five other schools of the health sciences, the School of Pharmacy is adjacent to and affiliated with the internationally recognized University of Pittsburgh Medical Center (UPMC), which provides care through the region's largest network of tertiary, specialty, and community hospitals. Collectively, these facilities provide one of the nation's most complete health centers for teaching, patient care, and research in the health sciences.

The School of Pharmacy is a leader in research, with endeavors ranging from molecular genetics to human clinical research and patient care outcomes. The School consistently ranks among the top schools of pharmacy in National Institutes of Health (NIH) competitive research funding.

School of Pharmacy students have access to the University's Division of Student Affairs, which provides a variety of support services, including study skills workshops and personal counseling. Career Services provides professional résumé writing and interview

workshops and assists in summer internship identification and career preparation and placement.

Panther Central (www.pc.pitt.edu) is the go to place for all the essentials of daily living, from transportation to housing to finding a good meal. Housing Services (www.pc.pitt.edu/housing/index.html) has the responsibility for providing an enriching experience for approximately 5,000 resident students. Off Campus Living provides support to students, including a list of private apartments and other information.

Mission/Vision

The School of Pharmacy is committed to improving health through excellence, innovation, and leadership in education of pharmacists and pharmaceutical scientists, in research and scholarship, in care of patients, and in service to our communities. The School's vision is to be an outstanding school of pharmacy renowned for excellence in discovery and advancement of science based use of medicines and other interventions to enhance the vitality and quality of life. The School has articulated its values. Integrity guides our daily work. We foster passion, commitment, and diligence; creativity and personal growth; collaboration and teamwork; and a culture of respect for the individual.

Curriculum

The University of Pittsburgh School of Pharmacy is on the forefront of educating pharmacy's future practitioners with its Pharm.D. program. Setting the school apart from others is a curriculum that integrates science and practice throughout the course of study; emphasizes team building through collaborative learning in group work; leads the nation in its service learning program; offers professionally and technologically advanced methods of instruction delivery; and prides itself in excellent student faculty relationships. Program wide indicators of quality include

achievements of student organizations and individual students; scholarships awarded; curricular innovation and productivity in facilitating student achievement; student learning outcomes; and faculty achievements and awards. Experiential education begins in the first term and continues throughout the curriculum, culminating with 36 full time weeks of required and elective advanced pharmacy practice rotations.

The Pharm.D. program (128 semester credits) is delivered over three academic years (years 1, 2, and 3) and one calendar year (year 4). The curriculum is designed to facilitate progressive student development and ultimate achievement of 13 curricular outcomes: six general outcomes, critical to a graduate's success within the context of pharmacy practice (critical thinking; development of knowledge and skills; communication skills; professional responsibility and ethics; social interaction, citizenship, leadership, and professionalism; and lifelong learning); and seven practice outcomes (patient assessment; pharmaceutical care plan development; medication therapy management; pharmacodynamic decision making; pharmaceutical product preparation, dispensing, and administration; management; and public health).

Admission Requirements

Students are admitted to the Pharm.D. program through open admission or conditional admission. Open admission is based on 1) academic performance in the prepharmacy courses; 2) three letters of reference; 3) the Pharmacy College Admission Test (PCAT); 4) a personal statement provided by the applicant; and 5) an interview. When making decisions for admission, the Admissions Committee considers evidence of sound scholarship, community involvement, leadership, and communication skills. Prospective applicants are encouraged to schedule an informational visit and a tour of the School.

Prerequisite Courses

Course	Semester Hours
General biology with lab . . . . .	.8
General chemistry with lab . . . . .	.8
Organic chemistry with lab . . . . .	.8
Calculus 1	3-4
Statistics	3-4
English composition . . . . .	.6
General psychology . . . . .	.3
Economics (<i>intro, micro, or macro</i>) . . . . .	.3
Humanity electives . . . . .	.6
Social science electives . . . . .	.6
Electives . . . . .	.6

Statistics for 2009 Entering Class Acceptees

Number interviewed:	183
Number accepted:	139
Estimated entering class size:	108
Estimated male (%):	41%
Estimated female (%):	59%
Estimated out-of-state (%):	13%

Application Process and Requirements

Participates in PharmCAS: Yes
Deadline for receipt of applications: December 1;
Supplemental application - January 7
Supplemental application required: Yes
Supplemental application fee: \$65
Expected GPA: 3.0
Minimum overall GPA considered: 3.0
Minimum prerequisite GPA considered: 3.0
PCAT required: Yes
Minimum PCAT scores considered: 50th percentile
Oldest PCAT scores considered: 2 years
Interview required: Yes

Conditional acceptance is offered to qualified high school students who will be entering the freshman class at a University of Pittsburgh campus. High school students who rank in the upper 10 percent of their graduating class, score 1300 or higher on the Scholastic Aptitude Test (SAT critical reading and mathematics) with a minimum of 680 in the mathematics section, and specify pharmacy on their application are eligible for conditional acceptance. To secure a place in the class, conditionally accepted students must 1) earn an overall preprofessional GPA of 3.25 and a science and mathematics GPA of 3.25 without repeating any courses or earning any grade below a 'C'; 2) submit PCAT scores; 3) take the Pharmacy College Admissions Test (PCAT); and 4) successfully complete an admissions interview.

Other Programs

Residencies

The School of Pharmacy has been training residents since 1990, with approximately 194 individuals having completed the program. The goal of the residency program is to train advanced practitioners who will become leaders in the profession of pharmacy. The School offers several PGY1 residencies in partnership with UPMC Presbyterian Shadyside, UPMC St. Margaret, Rite Aid, UPMC Health Plan,

and CVS/Caremark. PGY2 residencies are available in the areas of ambulatory care, cardiology, critical care, drug information, family medicine, infectious diseases, pharmacy management, and solid organ transplantation. More information is available at <http://www.pharmacy.pitt.edu>.

Graduate Programs

The Ph.D. program in pharmaceutical sciences prepares students to become independent researchers in the areas of medicinal chemistry, pharmaceuticals, biochemical pharmacology, and clinical translational science. Graduates of the program are leaders in the pharmaceutical industry, Food and Drug Administration, National Institutes of Health, and universities in the United States and around the world. The faculty members of the School of Pharmacy have created tremendous opportunities for interdisciplinary research and graduate training with investigators from other schools on campus.

The clinical pharmaceutical scientist program is nationally recognized for its 20-year history of training clinical scientists. This program offers a specialized learning opportunity within the broader Ph.D. program and emphasizes patient-oriented and translational research. Student dissertation projects must include both clinical and basic research components.

Students in the Pharm.D. professional program have the option to apply for admission into the combined Pharm.D./Ph.D. program, which integrates laboratory research experiences and Ph.D.-level course work into the professional Pharm.D. curriculum, thereby expediting the completion of the Ph.D. program. Full-time admission in the Ph.D. program begins upon completion of the Pharm.D. degree.

The M.S. in Pharmacy Administration program is designed to prepare pharmacists to assume leadership positions in organized health care settings. The primary objective of the program is to prepare pharmacists to assume pharmacy management positions. Graduates of the program will have gained both theoretical knowledge and practical experiences related to managing the health care environment, specifically related to the safe and effective use of medications. The program can be completed either by itself (on-site or remotely) or in conjunction with the Pharmacy Practice Management Residency.

For Further Information

For further information please visit www.pharmacy.pitt.edu.

Wilkes University

Nesbitt College of Pharmacy and Nursing

Accreditation Status: *Full*
Type of Institution: *Private*
Main Campus: *Wilkes-Barre, PA*
Branch Campus(es): *None*
Satellite Program(s): *None*



General Information

Wilkes is a comprehensive, independent institution of 2,200 undergraduate and 500 graduate students, located in the historic district of Wilkes Barre in northeastern Pennsylvania.

The park like campus parallels the Susquehanna River and features the newly constructed Henry Student Union building, the Marts Sports and Conference Center, fully equipped science and engineering facilities, and a number of architecturally significant nineteenth century mansions, renovated for use as residence halls and academic buildings. The center of regional theater, ballet, and musical performances, Wilkes-Barre is 2 1/2 hours from the cultural resources of either New York City or Philadelphia.

The University is accredited by the Commission on Higher Education of the Middle States Association of Colleges and Schools, and has specialized accreditation in nursing and engineering.

An active and varied intramural program involves the majority of students. Intercollegiate athletics encompass fourteen sports.

Residential facilities on campus accommodate 900 students, and campus housing is available for all four years. Architecturally, residence halls vary from modern, multi floor buildings to mansions listed on the National Register of Historic Places. Medical and dental care, department stores, specialty shops, and banks are available within one block of the campus. The historic district includes a large number of churches and synagogues, as well as an Islamic Center, which welcomes student participation in worship and youth activities.

Curriculum

The School of Pharmacy is fully accredited by the Accreditation Council for Pharmacy Education. The doctor of pharmacy program consists of a two year pre-professional and four year professional program. The coordinated professional curriculum incorporates student centered and problem based instruction. Continuous core based assessment of student progress toward program outcomes is an essential feature. Small section classes and recitations are encouraged and computer assisted instruction is used whenever possible. The fourth professional year is comprised of 36 weeks of clinical experience. Students will complete experiences in general medicine, ambulatory care, community clinical and rural care. Each student will also have the opportunity to complete elective rotations in their area of interest.

Admission Requirements

Guaranteed Seat Pre-pharmacy Program
Wilkes University awards up to 80 guaranteed seats to the most qualified entering freshmen applicants. As a minimum, applicants to the Guaranteed Seat Pre-pharmacy Program must be graduates of an accredited high school or academy, rank in the upper half of the graduating class, have attained an SAT total of 1000, and must have shadowed or worked for at least 8 hours in a pharmaceutical care setting. In addition, two high school faculty recommendations, a recommendation from a pharmacist and a successful interview are also required. Please note that competition for seats is based on assigned point values for class rank, SAT score, and the results of personal interview. Even if a student meets the minimum qualification they are not assured of being awarded a guaranteed seat.

As part of the Guaranteed Seat Pre-pharmacy Program contract, students must maintain an overall and prerequisite GPA of 3.0 or greater, may not have earned grades below

a 2.0 in prerequisite courses, and earned a composite PCAT score in the 25th percentile or greater. Students failing to meet these criteria lose their Guaranteed Seat and must academically compete for available seats in the Pharmacy Program.

Pharmacy Program

Admission to the Pharm.D. program will be on a competitive basis. Seats will first be awarded to Guaranteed Seat students who maintained the academic criteria to claim a seat. Remaining seats will be awarded to all other students (Wilkes students and non-Wilkes transfer students) on an academically competitive basis. Applicants to the Pharm.D. Program must have completed the pre-pharmacy curriculum and earned a minimum GPA of 2.5 for consideration. In addition, students must also provide two letters of recommendation from faculty, one letter from a pharmacist, and must also complete the PCAT.

A select group of students (based on GPA and PCAT scores) will be invited to campus for a personal interview. After this process, students will be ranked based on criteria that include: overall GPA, prerequisite course GPA, interview, writing sample, PCAT score, and number prerequisite courses that were remediated for higher grades (all prerequisite courses must have been completed with grade of 2.0 or greater). Each of the pharmacy admission requirements is weighted separately and considered collectively in order to develop a realistic portrait of the applicant. The highest ranked students will be invited to join the Fall semester class. Other qualified students will be waitlisted and awarded seats as the class is being filled. The P-1 pharmacy enrollment limit is sixty-five students.

The admission deadline for pre-pharmacy is February 1. Applicants on the waiting list will be considered at successive dates. Admitted students will be given three weeks to complete enrollment procedures. Applications for the professional program are due February 1.

Prerequisite Courses

Course	Semester Hours
Biology	.8
General Chemistry	.8
Organic Chemistry	.8
Physics	.4
Calculus	.4
Statistics	.3
Speech	.3
Microeconomics	.3

Statistics for 2010 Entering Class Acceptees

Number interviewed:	77
Number accepted:	70
Estimated entering class size:	70
Estimated male (%):	42%
Estimated female (%):	58%
Estimated out-of-state (%):	7%

Application Process and Requirements

Participates in PharmCAS: *No*
 Deadline for receipt of applications: *February 1*
 Supplemental application required: *No*
 Supplemental application fee: *Not applicable*
 Expected GPA: *3.5*
 Minimum overall GPA considered: *2.5*
 Minimum prerequisite GPA considered: *2.5*
 PCAT required: *Yes*
 Minimum PCAT scores considered: *25th percentile*
 Oldest PCAT scores considered: *2 years*
 Interview required: *Yes*

Other Programs

B.S. Pharmaceutical Sciences

Introduction to the degree: The Bachelor of Science in the pharmaceutical sciences (BSPS) will educate Wilkes University undergraduate students for entry-level positions in the pharmaceutical industry or advanced study in graduate school. This degree will serve students who are interested in a career in the pharmaceutical industry because of a desire to become involved in the research and development of new drugs rather, than a career in direct patient care.

The minimum number of credits required for a major in pharmaceutical sciences leading to a B.S. Degree is 128.

Note: This degree does not qualify the holder for licensure as a pharmacist nor to practice as a licensed pharmacist in the United States.

For Further Information

School of Pharmacy
 Wilkes University
 84 West South Street
 Wilkes Barre, PA 18766
 570-408-4280 or
 800-WILKESU Ext. 4280
www.wilkes.edu/pages/390.asp

University of Puerto Rico

School of Pharmacy

Accreditation Status: *Full*
Type of Institution: *Public*
Main Campus: *San Juan, PR*
Branch Campus(es): *None*
Satellite Program(s): *None*



General Information

The School of Pharmacy of the University of Puerto Rico, originally a Department of Pharmacy, and later known as the College of Pharmacy, was founded on September 22, 1913 at the Río Piedras Campus. It established the first program in a health profession to be offered at a higher education level in Puerto Rico. A five year curriculum was adopted in 1949. The College was physically transferred to the Medical Sciences Campus in 1977 and changed its official name to School of Pharmacy in 1989. The School was the sole provider of an entry level degree in pharmacy education in Puerto Rico until 2001.

The School of Pharmacy implemented the Doctor of Pharmacy program (Pharm.D.) in 2001. The School also offers a Master of Science in Pharmacy program since 1986.

In 2001 a Pharmacy Practice Residency program was established as a joint effort with VA Caribbean Healthcare Center in San Juan. The residency program is accredited by the American Society of Health System Pharmacists (ASHP).

To support the students' physical, moral, social, emotional, and professional development, the School and Deanship of Students of the campus provide a wide array of services, activities, and informal learning experiences outside the classroom. Students can participate in a variety of student organizations and professional fraternities. Student input into decisions within the School is through the Pharmacy Student Council and student participation in various standing committees. Entering students agree to abide by the Code of Honor of the Pharmacy Student Council and other School policies governing professional and academic behavior.

The School of Pharmacy does not offer housing facilities. Nevertheless, the residence hall of the University of Puerto Rico, Río Piedras Campus offers accommodations to students.

Private boarding houses are available in the neighborhood nearby. For more information on housing facilities, contact the Orientation Office of the Deanship of Students at the Medical Sciences Campus.

Mission/Vision

The School of Pharmacy is an integral part of the Medical Sciences Campus of the University of Puerto Rico. Its main mission is the formation of human resources in pharmacy to improve the health related quality of life of individuals and populations. As a state institution, we recognize the responsibility of assuming leadership in research and service in order to contribute to the health and the economy of Puerto Rico. We offer programs at the professional and graduate levels targeted to improving the effective and safe use of medications. In addition, we promote excellence in education, research, and service in an environment of respect and commitment.

Curriculum

The Doctor of Pharmacy program (Pharm.D.) is approved by the Puerto Rico Council on Higher Education (PRCHE), and has been granted full accreditation by the Accreditation Council for Pharmacy Education (ACPE). It is structured in four academic years in order to ensure the achievement of the abilities necessary to become a generalist practitioner who renders pharmaceutical care. The goals of the program are to: 1) foster the integral formation of students by developing their general and professional abilities along the curriculum; 2) foster the integration of knowledge based on professional practice experience in a systematic ability based curriculum which incorporates the following areas: biomedical sciences, pharmaceutical sciences, behavioral, social, and administrative pharmacy sciences, pharmacy practice, and general education; and 3) prepare competent pharmacists to enter the practice of the profession in different settings.

The program requires the approval of 141 credits and 1,620 hours of practice experiences. These consist of introductory as well as advanced practice experiences offered starting in first professional year. The experiences offered are: Introductory Practicum, Service Learning, Longitudinal Care I and II, Management of the Practice and the Medication Distribution and Control Systems, and eight Advanced Practicums. A research project and portfolio are also required.

The curricular model adopted responds to a conception of a liberal, systematic and humanistic curriculum which promotes human development through the development of a core of ten (10) general/professional abilities. These are systematically developed as skills, attitudes, values and conceptual knowledge, all of which are necessary in order to provide pharmaceutical care. The abilities are contextualized in the disciplines and practice that comprise the pharmacy profession. These are: Pharmaceutical Care; Critical Thinking; Problem Solving and Decision Making; Communication; Ethics; Social Interaction and Relations; Social Consciousness and Responsibilities; Intervention in Public Policy; Administration; and Self Learning and Professional Development. These abilities have been developed as a set of expectations at three levels of progress through the curriculum (level 1 - beginning, level 2 - developing, level 3 - outcome).

The curricular content is defined in terms of fourteen (14) major concepts, set of core skills, attitudes, and values, and the ten (10) abilities. The core concepts developed in the program are: human development, pharmaceutical care, education, research, scientific method, drug, scientific foundations, professional practice, service, health/disease, public policy, psychosocial foundations, culture, and management. The School has identified a set of core skills that are included in the General Conceptual Map of Intellectual and Professional Skills. They illustrate the combination of skills (intellectual as well as professional)

Prerequisite Courses

Course	Semester Hours
English	6
Spanish	6
English or Spanish (<i>oral and written communications skills</i>)	3
Humanities	6
Social Sciences	6
Pre-Calculus	4-6
Calculus I	4-5
General Chemistry	8
Organic Chemistry	8
General Biology	8
General Physics	8
Psychology	3
Economics	3

Statistics for 2009 Entering Class Acceptees

Number interviewed	62
Number accepted	44
Estimated entering class size	44
Estimated male (%)	27%
Estimated female (%)	73%
Estimated out-of-state (%)	0%

Application Process and Requirements

Participates in PharmCAS: No
Deadline for receipt of applications: January 15
Supplemental application required: Yes
Supplemental application fee: \$25
Expected GPA: 3.5
Minimum overall GPA considered: 2.75
Minimum prerequisite GPA considered: 2.75
PCAT required: Yes
Minimum PCAT scores considered: No minimum
Oldest PCAT scores considered: 5 years
Interview required: Yes

the pharmacist must achieve in order to become a generalist practitioner. A set of core attitudes and values is also incorporated in the curriculum since they are deemed essential in a pharmacy graduate.

Admission Requirements

A minimum of 71 approved semester credits must be completed on or before May of the year of application for admission from the prerequisite courses, or their equivalents, carried in any accredited college or university. To qualify for admission, an applicant must present scholastic and personal records indicating good preparation and ability to undertake a professional college degree program. Courses are conducted in English and Spanish, and patient interactions are nearly always conducted in Spanish; therefore, students should be able to speak, read, and write both languages. Applicants are required to possess an academic index of not less than 2.75 (scale of 4.00) both in general subjects as well as in the chemistry, mathematics, biology and physics courses (science index). The Pharmacy College Admission Test (PCAT) is required of all applicants. Three letters of reference (two from professors of previous college courses) are required. A personal interview is also required for candidates that meet other criteria.

Other Programs

The Graduate Program offers a Master of Science in Pharmacy degree. At present two options of study are offered: Pharmaceutical Sciences and Industrial Pharmacy. Classes for both options convene during evening hours and Saturday mornings, thus making it possible for persons already employed to obtain an advance degree. Both options require 40 trimester credit-hours for graduation, including original research work presented as the student's thesis. The specific program objectives are to: 1) offer an opportunity for individuals to advance their knowledge in specific areas of industrial pharmacy; 2) prepare individuals for research and teaching positions requiring personnel with a strong background in the pharmaceutical sciences; 3) develop individuals with the research skills needed to carry out basic and applied studies; and 4) address the pharmaceutical needs of Puerto Rico.

For Further Information

Admission:
 Ms. Margarita Rivera, Director
 Admission Office
 Deanship of Students
 P.O. Box 365067
 San Juan, PR 00936-5067

787-758-2525, Ext. 5214
<http://farmacia.rcm.upr.edu>

Financial Aid:
 Zoraida Figueroa, Director
 Financial Aid Office
 Deanship of Students
 P.O. Box 365067
 San Juan, PR 00936-5067

University of Rhode Island

College of Pharmacy

Accreditation Status: *Full*
Type of Institution: *Public*
Main Campus: *Kingston, RI*
Branch Campus(es): *None*
Satellite Program(s): *None*



General Information

The College of Pharmacy at The University of Rhode Island (URI) was established in 1957 and is located on a tree lined, quintessential New England main campus of this flagship learning oriented research University, in the historic village of Kingston. Rolling farmlands, stone walls and pristine beaches surround this quiet and beautiful campus where leading edge research into the world's most significant challenges in health, environment, engineering, science and the humanities is conducted. The University of Rhode Island College of Pharmacy offers a unique opportunity to study in a small beautiful place with some of the biggest thinkers in the world. Thus our brand theme, Think Big, We Do!

The College of Pharmacy makes use of lecture halls and laboratories all over the URI campus although our current headquarters are in Fogarty Hall. Construction of a new College of Pharmacy facility on the North Side of the Kingston Campus is underway and will open in 2012. This environmentally sensitive facility will be LEED Silver certified. The new facility will house an interdisciplinary human patient simulation center for training with other health professionals and a three dimensional projection viewing auditorium for the visualization of drug products, human physiology and the interaction of drugs and their receptors.

Pharmacy students on the URI campus have opportunities to participate in many extra-curricular activities, including varsity and intramural athletics, student organizations, theatre, arts, music, journalism, debate, the Student Senate, and sororities and fraternities. The College of Pharmacy has its own professional organizations including; The Academy of Students of Pharmacy (ASP), National Community Pharmacist Association (NCPA), Kappa Psi Pharmaceutical Fraternity, Lambda Kappa Sigma (sorority), Rho Chi (honor society), Phi Lambda Sigma (leadership society, ASCP (American Society

Consultant Pharmacists), and the Student Leadership Council. College of Pharmacy students are also recognized for their leadership and are often involved in other campus wide leadership positions and in national professional associations.

Twenty four resident halls on campus offer a variety of living accommodations including coeducational housing. A new Health Sciences House provides living and learning opportunities for students in the health disciplines including pharmacy. Three dining centers are by the University for the convenience of resident students.

There are approximately 1,300 fraternity and sorority members living in the 23 nationally affiliated houses. Two thousand other students commute within a 10 mile radius of the campus where summer homes are rented to students for the school year.

Students are offered opportunities to obtain special certifications in immunization, medication therapy management and red cross approved CPR.

Mission/Vision

Mission

The College of Pharmacy fosters a learning centered, research oriented educational environment that encourages individuals to make positive life long contributions to global health. We prepare professional degree students to provide compassionate pharmacist delivered patient care, and inspire our students through innovative problem based learning, rich experiential curricula and inter professional collaboration. We foster a community of scholars who will further the body of knowledge in pharmaceutical, biomedical, and clinical sciences. We strive to improve quality of life: locally, nationally and globally.

Vision

We will lead through innovative pharmacy education, research and practice advances, effective global health care, merging true entrepreneurial spirit with care and compassion.

We Value:

- Service to the local, national, and global community
- Integrity and ethical behavior
- Innovation and collaboration in research
- Professional practice and education
- Personal growth through life long learning
- Diversity and respect of all individuals
- Cultural competence

Curriculum

The six year integrated curriculum stresses critical thinking, active learning, and clinical experience to prepare the students for practice in a variety of professional settings. In the pre professional coursework students complete the University general education requirements as well as the pre professional science and math course work which prepares them for the rigors of the professional program. During this period many of the students will work on a minor or take advantage of the opportunity of off campus study since they generally bring in a significant number of AP and College level coursework from high school.

In the professional curriculum, students are able to develop some level of specialization via professional electives, (9 credits of professional electives). The electives include courses for community practice, advanced pharmacotherapy, drug information, research, and pharmacoepidemiology/pharmacoeconomics.

The professional curriculum is structured around organ systems. Each semester during the didactic portion of the coursework, students will focus on a different organ

Prerequisite Courses

Course (high school)	Units
Algebra/Geometry	3
Physical/Natural Science	2
English	4
History/Social Science	1
Additional Coursework	6

Statistics for 2009 Entering Class Acceptees

Number interviewed	NA
Number accepted	292
Estimated entering class size	131
Estimated male (%)	37%
Estimated female (%)	63%
Estimated out-of-state (%)	60%

Application Process and Requirements

Participates in PharmCAS: *No*
 Deadline for receipt of applications: *February 1*
 Supplemental application required: *No*
 Supplemental application fee: *Not applicable*
 Expected GPA: *2.5*
 Minimum overall GPA considered: *2.0*
 Minimum prerequisite GPA considered: *2.5*
 PCAT required: *No*
 Minimum PCAT scores considered: *Not applicable*
 Oldest PCAT scores considered: *Not applicable*
 Interview required: *No*

system in a core component that includes pathophysiology, biomedical science, and therapeutics.

Admission Requirements

As a 0/6 program students are admitted directly from high school by the Office of University Admission. Sixteen units of high school work are required as follows: English (4 units), Algebra/Geometry (3 units), Physical/Natural Science (2 units), History/Social Science (1 unit), Additional (6 units).

High school seniors are urged to submit applications early as the majority of students come from the Early Action Pool (deadline mid December). The general closing date for fall date applicants is February 1. At this time, limited external transfer admission to the P1 year pharmacy is available. For specific information visit the URI Admission website www.uri.edu/admission.

High school record, especially grades in math and science, quality of school attended, class rank, SAT/ACT scores, and extra curricular/community activities are all considered in the selection process. An essay is also required. A personal interview is required of all sophomores prior to the beginning of the professional curriculum.

Advanced placement credit may be granted to entering freshmen who have completed advanced coursework in high school and scored a 3 or better on the CEEB Advanced Placement Examination.

Other Programs

Pharmaceutical Sciences (B.S., M.S., Ph.D.)

The college has just launched a Bachelor of Science in Pharmaceutical Sciences (B.S.P.S.) curriculum designed to lead students toward careers within the pharmaceutical industry. This similarly limited admission and highly selective program prepares students to enter careers in drug research, discovery, development, marketing, management, regulatory affairs and many related fields within the global pharmaceutical industry.

The B.S.P.S. program will have a dedicated FDA certified Good Manufacturing Facility in the new pharmacy building.

Facts About the College

- 45 Faculty members, 50% of whom are female
- 2 departments, PHP and BPS
- Student Population 580 PMD students, 53 graduate students, 14 post-docs

- 1100 applicants for the class of 2013
- Class size 115 students
- E-Health and E-Salud web sites developed to link communities with web based health resources in English and in Spanish.
- “Ask the Pharmacist” on ABC channel 6 is sponsored by the college to bring health information to the RI community.
- The BRIN Laboratory provides undergraduate internships for students interested in research careers.
- The College has Human Patient Simulators
- The College of Pharmacy was one of the first to install a stereo-3D projection Classroom for animation instruction.

For Further Information

URI Admissions: 401-874-7100
 URI Financial Aid: 401-874-2314
 College of Pharmacy: 401-874-5842
pharmcol@etal.uri.edu
www.uri.edu/pharmacy

Presbyterian College

School of Pharmacy

Accreditation Status: *Precandidate*

Type of Institution: *Private*

Main Campus: *Clinton, SC*

Branch Campus(es): *None*

Satellite Program(s): *None*



PRESBYTERIAN COLLEGE
SCHOOL of PHARMACY

General Information

Located in Clinton, SC, Presbyterian College is a top ranked Carnegie One Liberal Arts College affiliated with Presbyterian Church (USA). The Washington Monthly recently ranked PC #26 among all colleges and universities in the United States. The John Templeton Foundation recognizes PC as a character building college that educates the whole person, not just the intellect.

One hundred and twenty-nine years after its founding, the stated mission of the college for its students “to develop... the mental, physical, moral, and spiritual capacities... in preparation for... responsible contribution to our democratic society and world community” and the college motto “Dum Vivimus Servimus” or “While we live, we serve” remain the same.

Presbyterian College School of Pharmacy provides pharmacy education with a liberal arts college approach, integrating classroom learning with practical experience emphasizing community, valuing each student, and focusing on patient care.

The School of Pharmacy is located at the center of Clinton in a newly renovated former retirement facility of the Presbyterian Homes of South Carolina. The Center for Pharmacy Education is a 60,000 square foot facility with labs, classrooms, faculty offices, and congregational student space offering a modern technology rich environment. A clinic operates inside the school, where pharmacy faculty, students, physicians, and patients interact in an environment models a teamed approach to health care.

Mission/Vision

The mission of the School of Pharmacy at Presbyterian College is to improve the health of South Carolinians and society in general by developing students with an unwavering ethical foundation who will positively impact the

delivery of quality equitable pharmacy care; who will dedicate their lives to community service; and who will provide enlightened leadership in addressing the health care needs of a diverse patient population.

The way we live and act in the School of Pharmacy will be created by those values which we have, teach, and live. Our top priority is the creation of an environment, opportunities, and stimuli for faculty, students, and practitioners of the profession to learn, maintain, and expand upon the knowledge, skills, and attitudes necessary to meet the health care needs of the patients they serve. Our curriculum is centered on our students who assume primary responsibility for their own educational outcomes; faculty and staff serve as mentors and facilitators in a shared partnership with the students. Our interpersonal relationships are collaborative defined as mutual learning and shared creation; we value teamwork and those who are good team members. We value a professional environment that celebrates individual honor. Our commitment to the citizens of the area that we serve fosters community involvement. Our collective dedication to prepare students for both today's and tomorrow's practice encourages us to employ state of the art technologies in all aspects of our professional program and to foster innovation through basic and applied research.

Curriculum

Presbyterian College School of Pharmacy's curriculum is a stimulating, student centered academic environment that values self analysis, reflection, life long learning, personal and professional growth, and commitment to service. The competency based curriculum stems from the need to define the outcomes of the educational process: what are the desirable qualities of a pharmacy school graduate and what constitutes the essential knowledge base that will enable a graduate to make a successful transition to his/her chosen pharmacy field. PCSP's twelve competencies

encompass a broad range of expectations for future pharmacists, ranging from traditional dispensing skills to the more concrete aspects of pharmaceutical care.

The four year professional program requires 145 SCH, which includes both required and elective coursework consisting of didactic, laboratory, introductory pharmacy practice experiences (IPPE), and advanced pharmacy practice experiences (APPE). The first three semesters of the professional program provide the student with principles in the biomedical and pharmaceutical sciences as well as an understanding of pharmacy practice, medication safety, and health ethics. An intensely integrated course sequence, Medication Therapy Management (MTM), is initiated in the spring of the P2 year. This 14 course sequence (30 SCH) combines pharmacotherapy, pharmacology, medicinal chemistry, pharmacokinetics, and outcome sciences in a comprehensive systems based approach for teaching. In conjunction with the didactic course work and MTM sequence, an innovative Practice Integrated Laboratory Sequence (PILS) provides skills development integrating calculations, dispensing, compounding, sterile products preparation, APhA immunization certification, and clinical assessment. The longitudinal, continuous experience of IPPE's provide students with weekly pharmacy practice exposure that is integrated within the curriculum. The final year of the curriculum is devoted to APPEs and Capstones I and II where the knowledge gained and skills developed in the previous three years of the curriculum are applied in a “real world” setting. The APPE sequence will constitute nine one month rotations, four required and five elective. In keeping with the emphasis of service in the School's mission, all students will be required to complete fifteen hours of service learning during their P1 through P3 years.

The comprehensive education provided within the curriculum allows for the development of a variety of behaviors such as professional

Prerequisite Courses

Course	Semester Hours
General Biology with Lab	8
Human Anatomy and Physiology	6
Microbiology with Lab	4
General Chemistry with Lab	8
Organic Chemistry with Lab	8
Physics	4
Statistics	3
Calculus	3
Economics	3
English	6
Ethics, Philosophy, or Religion	3
History or Political Science	3
Psychology or Sociology	3
Public Speaking	3

Statistics for 2010 Entering Class Acceptees

Number interviewed	NR
Number accepted	NR
Estimated entering class size	NR
Estimated male	NR
Estimated female	NR
Numbered out-of-state	NR

Application Process and Requirements

Participates in PharmCAS: *Yes*
 Deadline for receipt of applications: *January 5*
 Supplemental application required: *Yes*
 Supplemental application fee: *\$60*
 Expected GPA: *3.25*
 Minimum overall GPA considered: *2.5*
 Minimum prerequisite GPA considered: *2.75*
 PCAT required: *Yes*
 Minimum PCAT scores considered: *Not reported*
 Oldest PCAT scores considered: *7 years*
 Interview required: *Yes*

judgment, commitment to ethical standards, compliance with practice regulations, cultural competence, health literacy, and awareness of health disparities. All learned skills, competencies, and behaviors allow the students to become competent generalist pharmacists who deliver patient centered care and function as a member of a multi disciplinary team of healthcare professionals.

Admission Requirements

Presbyterian College School of Pharmacy employs a holistic admissions philosophy. Both academic factors and non-academic factors are considered in selecting applicants for admission. Academic factors are employed to select applicants who are prepared to succeed in a rigorous professional curriculum. Non-academic factors are included to select applicants who will fulfill the mission of Presbyterian College School of Pharmacy to improve the health of South Carolinians and society in general by developing students with an unwavering ethical foundation who will positively impact the delivery of quality equitable pharmacy care; who will dedicate their lives to community service; and who will provide enlightened leadership in addressing the health care needs of a diverse patient population.

Academic factors that are considered regarding admission include: pre-pharmacy GPA required pre-pharmacy courses (minimum 2.75), cumulative GPA (minimum 2.5), and PCAT score. All required pre-pharmacy courses must be completed with a grade of at least a "C" before matriculation into the professional program. Non-academic factors that are considered regarding admission include: written communication skills, volunteerism, leadership experience, professional exploration, letters of recommendation, and interview results.

Based upon the above information, applicants will be selected to visit campus for an interview. Admission is competitive and selection for an interview does not guarantee admission. Any student who has completed all the pre-pharmacy coursework at Presbyterian College with a cumulative GPA of 2.75 or above and fulfills all requirements for admission is guaranteed an interview with the School of Pharmacy. The PCSP admissions interview is a structured interview process that is designed to assess core competencies that are difficult to measure via an application alone. These competencies are: commitment to the pharmacy profession, communication skills, empathy, ethical and moral reasoning, interpersonal skills, and motivation.

In addition to the factors listed above, preference is given to applicants who hold a previous degree, enhance the diversity of the student body, are from South Carolina, North Carolina, or Georgia, are from rural or underserved areas of South Carolina, or complete their pre-pharmacy requirements at Presbyterian College.

Applicants must submit a Pharmacy College Application Service (PharmCAS) application by January 5, 2011. Applicants are also required to submit a supplemental application to School of Pharmacy by January 5, 2011. Acceptance to the program is conditional on the applicant's successful completion of a criminal background check and drug screen. Students are admitted for the fall semester only.

For Further Information

Office of Professional and Student Affairs
 Presbyterian College School of Pharmacy
 307 North Broad Street
 Clinton, SC 29325
 864-938-3900
pharmacy@presby.edu
www.presby.edu/pharmacy

South Carolina College of Pharmacy

Accreditation Status: *Full*

Type of Institution: *Public*

Main Campus: *Columbia, SC; Charleston, SC*

Branch Campus(es): *None*

Satellite Program(s): *None*



General Information

The South Carolina College of Pharmacy (SCCP) is a jointly administered program of the University of South Carolina in Columbia and the Medical University of South Carolina in Charleston. The USC campus of the SCCP is located in the Midlands of South Carolina on the campus of a major comprehensive university. The MUSC campus is located on the coast of South Carolina on the campus of a major medical center. With the combined resources of an academic health sciences center and a large comprehensive university we offer premier pharmacy education that extends throughout the state, provides national leadership and conducts pioneering research. A campus in the Upstate of South Carolina, based at the Greenville Hospital System University Medical Center is being developed.

The SCCP admits 110 students on the USC campus and 80 students on the MUSC campus. There is a single application process for admission to both campuses.

The USC campus of the SCCP is located in the David R. Coker Life Sciences Building on Sumter Street on the 200 year old University campus in downtown Columbia, just 3 1/2 blocks south of the State Capitol. The MUSC campus, which is located on the peninsula of historic Charleston, is also rich in heritage. The College of Pharmacy is located on the south end of the campus bounded by Calhoun Street. There are several forms of housing available on the USC campus, including co-ed accommodations and married student housing. Details on housing information may be obtained by contacting the University Residential Life and Administration Office at 803-777-4129. MUSC does not provide on-campus housing. The Student Life Center operates a housing office to assist students in relocating to Charleston. Information regarding current availability of off-campus housing can be obtained by contacting the housing office at 843-792-0394.

The SCCP Doctor of Pharmacy program is approved by the South Carolina Commission of Higher Education. For more information please go to www.sccp.sc.edu.

Mission/Vision

“Improving Health through Leadership and Innovation in Pharmacy Education, Research, and Patient Care.”

The South Carolina College of Pharmacy is a statewide education, research, and service institution that maximizes its resources to:

1. Educate pharmacy students to become leaders in meeting the pharmacy care needs of our citizens and the public we serve.
2. Conduct exceptional and innovative research to improve health care, guide population level drug policy, and enhance pharmacy education.
3. Provide pharmacy services that are models in advancing the practice of pharmacy and improving health care.
4. Serve the life long learning needs of practicing pharmacists through excellence in continuing education.
5. Educate future professional, academic, and research leaders through the highest quality graduate, residency, and fellowship programs.
6. Seek and welcome students, faculty, and staff members regardless of factors such as gender, race, age, nationality, religion, or disability, and recognize the benefits of diversity.

Curriculum

The curriculum leading to the entry-level Pharm.D. consists of a minimum of two years of prepharmacy coursework followed by four years of professional curriculum in the College.

Once admitted, the student embarks on a four-year program, the first three of which

involve the basic pharmaceutical and health sciences courses necessary for proper orientation to the profession as well as introductory pharmacy practice experiences. The fourth and final year consists of advanced pharmacy practice experiences, which are devoted to firmly establishing the students' knowledge base in the areas of diseases and drug therapy disease state management and pharmaceutical care through a broad range of practical experience in a variety of patient care settings.

The Pharm.D. curriculum offers three elective tracks, in community pharmacy, pre-residency training, and Nuclear pharmacy.

More details about the curriculum can be found at www.sccp.sc.edu.

Admission Requirements

The prepharmacy requirements of the curriculum leading to the entry level Pharm.D. degree in pharmacy may be taken at any accredited college. All courses must be completed with a grade of at least a “C” (2.0) for consideration. Electives must be chosen from the social sciences, or humanities. The USC campus offers the prepharmacy curriculum and interested students may apply through the USC Admissions Office. The prepharmacy curriculum is not available on the MUSC campus.

Admission to the SCCP is competitive and is based on the applicant's completion of prepharmacy requirements. Academic record (minimum GPA 2.5), letters of recommendation, interview evaluations (formal/informal), PCAT, honors/awards, extracurricular activities, work experience, and student personal statement concerning their goals for a career in pharmacy. Applicants must take the PCAT and have official scores reported prior to the end of the application period, on or before January 1. Applicants must provide an official copy of all college transcripts including all grades for courses taken through the

Prerequisite Courses

Course	Semester Hours
English Literature/Composition	6
General Chemistry Lab	2
General Chemistry Lecture	6
Organic Chemistry Lab	2
Organic Chemistry Lecture	6
Biology	6
Biology Lab	2
Physics Lecture	6
Anatomy/Physiology Lecture	6
Calculus	3
Statistics	3
Economics	3
Psychology	3
Interpersonal Communication/ Public Speaking	3
Electives (Humanities/Social Sciences)	9

Statistics for 2009 Entering Class Acceptees

Number interviewed	NR
Number accepted	190
Estimated entering class size	190
Estimated male (%)	31%
Estimated female (%)	69%
Estimated out-of-state (%)	19%

Application Process and Requirements

Participates in PharmCAS: *No*
 Deadline for receipt of applications: *January 1*
 Supplemental application required: *No*
 Supplemental application fee: *Not applicable*
 Expected GPA: *3.5*
 Minimum overall GPA considered: *2.5*
 Minimum prerequisite GPA considered: *Not reported*
 PCAT required: *Yes*
 Minimum PCAT scores considered: *No minimum*
 Oldest PCAT scores considered: *No limit*
 Interview required: *Yes*

fall semester prior to the application deadline. As a state-supported institution, preference will be given to in-state applicants. In-State students are defined for admission purposes as South Carolina residents and any non-South Carolina Resident attending a South Carolina College or University.

Applicants should apply online by going to the SCCP website at www.sccp.sc.edu. Individuals may apply beginning July 1. The online processing fee is payable by electronic check or credit card (Visa or MasterCard) only. The application fee for the South Carolina College of Pharmacy is \$75.00 (US dollars). The deadline for completed applications is January 1.

Other Programs

In addition to the Pharm.D. degree, the SCCP offers several graduate degree programs. The Columbia campus offers M.S. and Ph.D. programs in pharmaceutical science and pharmaceutical health outcomes sciences. Both campuses offer the Ph.D. in Pharmaceutical Sciences and a dual Pharm.D./Ph.D. degree option. A dual Pharm.D./MBA degree program is offered on the MUSC campus in conjunction with the Citadel.

For Further Information

Doctor of Pharmacy Program Application

Mrs. Sue Coats
 Pharmacy Admissions Specialist
 Office of Enrollment Services
 Medical University of South Carolina
 41 Bee Street, PO Box 250203
 Charleston, SC 29425-2301
 843-792-8722 or 800-846-8896
coatess@musc.edu

Curriculum and other SCCP information

Dean's Office
 SCCP
 University of South Carolina Campus
 Columbia, SC 29208
 803-777-4151

Medical University of South Carolina Campus

Charleston, SC 29425
 843-792-3115

South Dakota State University

College of Pharmacy

Accreditation Status: *Full*
Type of Institution: *Public*
Main Campus: *Brookings, SD*
Branch Campus(es): *None*
Satellite Program(s): *None*



General Information

South Dakota State University (SDSU) is one of six institutions forming the State System of Higher Education. Approximately 12,000 students are enrolled in the eight colleges of the University, which includes: agriculture and biological sciences, arts and sciences, education and human sciences, engineering, general studies, nursing, pharmacy and the graduate school. The University is located in Brookings, a city of about 20,000 located on the eastern edge of South Dakota. The city provides a wide array of professional and retail services as well as excellent recreational facilities.

The University atmosphere at SDSU offers numerous opportunities to participate in a wide variety of extracurricular and social activities such as music, theater, varsity athletics, intramural sports, ROTC and dozens of clubs and special interest groups. A varied program of music, films, lectures and other entertainment events are provided through several planning groups of students and faculty. Pharmacy students also have opportunities to participate in the activities of the Academy of Student Pharmacists, Kappa Epsilon, Kappa Psi, Phi Lambda Sigma, Rho Chi, and American Association of Pharmaceutical Scientists.

SDSU believes that the group living situation found in the residence halls is a valuable educational experience. In keeping with this philosophy, all students who are less than two years beyond high school graduation are required to live in university housing. Single and double rooms are available. Students residing in university facilities eat at university food services. Several plans for participation in food service are available to accommodate individual eating patterns. Four bedroom apartments for single students are available as well as one and two bedroom apartments for married students. A variety of off-campus housing is also available near campus.

Mission/Vision

The legislature established South Dakota State University as the Comprehensive Land Grant University to meet the needs of the State and region by providing undergraduate and graduate programs of instruction in the liberal arts and sciences and professional education in agriculture, education, engineering, family and consumer sciences, nursing, pharmacy, and other course or programs as the Board of Regents may determine. South Dakota State University is unique within the South Dakota System of Higher Education because of its comprehensive land grant mission. The mission of the College of Pharmacy is also unique in the State and is to prepare pharmacy graduates capable of providing high quality patient centered and population based pharmacist care to the people of South Dakota, the region, the nation, and the world. The College further seeks to advance societal wellbeing and the profession of pharmacy through research, scholarship, and graduate education.

Curriculum

The College of Pharmacy offers a four year plan of professional program courses leading to the doctor of pharmacy (Pharm.D.) degree. Completion of math, science, English composition, speech, and economics courses as outlined in the prepharmacy curriculum is required prior to enrollment in the professional program. Students may be admitted as freshmen or transfer students into prepharmacy at SDSU, or may apply as transfer students for the professional program if they have completed the required prepharmacy courses. The professional program is designed to prepare all students for the practice of pharmacy in a variety of professional settings. In addition, by a proper selection of electives, students may prepare for graduate study in the pharmaceutical or clinical sciences. The professional courses include a solid foundation of pharmaceutical science courses as well as a comprehensive sequence

of therapeutics and professional practice courses. The application of drug knowledge and basic science to resolve problems of drug distribution and patient care is emphasized throughout the curriculum. Students have an opportunity to apply their knowledge to pharmacy practice situations in a series of introductory practice experiences and in a 40 week series of advanced practice experiences in a number of patient care settings. These settings include: the patient care area of hospitals, nursing homes, community pharmacies, hospital pharmacies, Indian Health Service facilities and clinic pharmacies.

Admission Requirements

High school seniors and college transfer students may apply for admission to the prepharmacy program. Applicants to prepharmacy are encouraged to apply at least six months prior to expected attendance date. Early application allows sufficient time to process materials and to arrange for housing, financial aid and orientation. The requirements for admission:

As a freshman to SDSU:

1. A "C" average in the following required high school courses: English (4 years), Mathematics (3 years), Laboratory science (3 years), Social science (3 years), Fine arts (1 year);
2. and either:
 - rank in the top 60% of our high school graduating class; or
 - have an ACT composite score of at least 18; or
 - earn a GPA of at least a 2.6 on a 4.0 scale.

As a transfer student to SDSU:

1. Students are considered transfer students if they have college credits from an accredited institution and are six or more months beyond high school graduation.
2. Transfer students who have completed 24 or more semester credits are eligible for admission to SDSU if they have a 2.0

Prerequisite Courses

Course	Semester Hours
General Chemistry 1 & 2 with labs	8
Organic Chemistry 1 & 2 with labs	8
General Biology with lab	3
Human Anatomy with lab	4
Human Physiology with lab	4
Microbiology with lab	4
Calculus	5
English Composition 1 & 2	6
Public Speaking	3
Macroeconomics	3

Statistics for 2009 Entering Class Acceptees

Number interviewed:	122
Number accepted:	70
Estimated entering class size:	70
Estimated male (%):	26%
Estimated female (%):	74%
Estimated out-of-state (%):	34%

Application Process and Requirements

Participates in PharmCAS: *No*
 Deadline for receipt of applications: *February 1*
 Supplemental application required: *No*
 Supplemental application fee: *Not applicable*
 Expected GPA: *3.6*
 Minimum overall GPA considered: *3.2*
 Minimum prerequisite GPA considered: *3.2*
 PCAT required: *Yes*
 Minimum PCAT scores considered: *33th percentile*
 Oldest PCAT scores considered: *No limit*
 Interview required: *Yes*

or higher cumulative GPA and are in good standing with their most recently attended school.

- Students under age 24 who have earned fewer than 24 semester college credits must meet the freshman admission requirements as outlined above.

To the professional program:

To be considered for admission to the professional program, applicants must:

- Be able to complete the required prepharmacy math, science, English composition, speech, and economics courses listed in the prepharmacy curriculum prior to entering the professional program;
- Submit a professional program application by February 1;
- Include a transcript of all course work through the fall semester;
- Submit documentation of component and composite scores of either ACT taken prior to college or PCAT;
- If selected for the interview phase, appear for an interview at the College of Pharmacy.

Other Programs

Pharmaceutical Sciences (B.S., M.S., Ph.D.)

Satisfactory completion of the pharmaceutical sciences portion of the Pharm.D. curriculum and the University general education core curriculum is confirmed through the awarding of a B.S. in Pharmaceutical Sciences after the second year of the professional program. The Department of Pharmaceutical Sciences also offers Master of Science (M.S.) in Biological Sciences and Doctor of Philosophy (Ph.D.) in Pharmaceutical Sciences. Courses and research opportunities are available in medicinal chemistry, pharmaceuticals, and pharmacology and are designed to prepare the graduate for careers in research and teaching.

For Further Information

College of Pharmacy
 Box 2202C
 SDSU
 Brookings, SD 57007
 605-688-6197
www.sdstate.edu/pha/index.cfm

Belmont University

School of Pharmacy

Accreditation Status: *Candidate*

Type of Institution: *Private*

Main Campus: *Nashville, TN*

Branch Campus(es): *None*

Satellite Program(s): *None*



General Information

Established in 1890, Belmont University is a comprehensive, Level V university that melds scholarship and service to form the core of a distinctively rigorous liberal arts and professional education community. Occupying 75 acres in the heart of Nashville, Tennessee, Belmont enrolls 5,000 students studying in more than 70 undergraduate and graduate major areas.

The School of Pharmacy was established in 2007, joining Belmont's nursing, social work, physical therapy, and occupational therapy programs in the Gordon Inman College of Health Sciences and Nursing. Belmont University's mission extends into health care and to full participation in the region's powerful health sector. The College of Health Sciences and Nursing enjoys strong partnerships across the health care industry to train state of the art practitioners in nursing, occupational therapy, pharmacy, physical therapy, and social work. Nashville, Tennessee is the seat of state government and is an economic center for the southeastern United States, serving as home to international and national corporations.

Reflecting its rich heritage, Belmont University strives to be a place that enables students, faculty, staff and communities to achieve their greatest dreams, giving credence to its theme, "from here to anywhere."

Mission/Vision

Belmont University is a student centered Christian community providing an academically challenging education that empowers men and women from diverse backgrounds to engage and transform the world with disciplined intelligence, compassion, courage and faith. Belmont University strives to be a leader among teaching universities, bringing together the best liberal arts and professional education in a community based on service and scholarship.

The Belmont University School of Pharmacy is dedicated to rigorous and purposeful teaching, scholarship, service and leadership in pharmacy in accordance to the University's learning objectives and Christian based ethical underpinnings. The School of Pharmacy's vision is to become a nationally recognized practice and leadership center in pharmacy for training and supporting competent, compassionate practitioners committed to life long professional improvement and service.

Curriculum

The School of Pharmacy at Belmont University offers a four-year Doctor of Pharmacy degree program, following completion of required pre-professional coursework that trains students to serve patients compassionately and to manage a variety of healthcare systems and personnel effectively.

The curriculum develops competent generalist pharmacists ready to meet the demands of entry-level practice based on a broad, solid grounding in the basic and clinical sciences, epistemologies and values that define contemporary pharmacy practice. Experiential components span all four years of the program and take advantage of Belmont University's close proximity to Vanderbilt University Medical Center, Hospital Corporation of America (HCA) facilities, the Veteran's Administration, and other community-based practice sites, including chain and independent retail pharmacy facilities.

Unique to Belmont University's Doctor of Pharmacy program is the PharmacyPlus™ curricular concentrations which allow students to focus their studies beyond the curricular core in one of four areas: pharmacotherapy, management, information management, and missions/public health. Students choose to complete elective didactic and experiential courses across years 2-4 in one of these four key areas of contemporary pharmacy practice.

Admission Requirements

Applications must be submitted using Pharmacy College Application Service (PharmCAS), and Belmont University requires completion of a secondary application. A minimum GPA of 2.7 is required for consideration.

The school uses a rolling admissions process and early completion of the application process is encouraged. Selection criteria include prior academic performance, letters of reference, Pharmacy College Admissions Test (PCAT) scores, service activities, interviews, and a passion for pharmacy.

The pre-pharmacy curriculum is similar to other health care professional preparation and intends to give the student the best possible background to pharmacy. The 64 semester hours of pre-pharmacy requirements may be taken at Belmont University or any regionally-accredited college or university. All prerequisite courses must be completed prior to matriculation into Belmont University School of Pharmacy. All prerequisite courses must be completed with a grade of "C" (2.0) or better or credited by receiving Advanced Placement (AP) high school credit. Possible exemptions are decided by the Assistant Dean for Student Affairs in consultation with the Associate Dean for Academic Affairs and the University Registrar.

For Further Information

www.belmont.edu/pharmacy

Prerequisite Courses

Course	Semester Hours
Literature	3
English Composition	3
Writing Emphasis Course	3
Biology with Labs.	8
General Physics with Lab	4
General (<i>inorganic</i>) Chemistry with Lab	8
General Organic Chemistry with Lab.	8
Calculus	3
Statistics	3
General or Health Economics	3
Public Speaking	3
Social Science.	9
Electives	6

Statistics for 2009 Entering Class Acceptees

Number interviewed:	283
Number accepted:	99
Estimated entering class size:	75
Estimated male (%):	40%
Estimated female (%):	60%
Estimated out-of-state (%):	72%

Application Process and Requirements

Participates in PharmCAS: *Yes*
 Deadline for receipt of applications: *March 1*
 Supplemental application required: *Yes*
 Supplemental application fee: *\$50*
 Expected GPA: *3.3*
 Minimum overall GPA considered: *2.7*
 Minimum prerequisite GPA considered: *2.0*
 PCAT required: *Yes*
 Minimum PCAT scores considered: *No minimum*
 Oldest PCAT scores considered: *5 years*
 Interview required: *Yes*

East Tennessee State University

Bill Gatton College of Pharmacy

Accreditation Status: *Full*
Type of Institution: *Public*
Main Campus: *Johnson City, TN*
Branch Campus(es): *None*
Satellite program: *None*



General Information

East Tennessee State University (ETSU) is a doctoral research intensive educational institution located in Johnson City, Tennessee and enrolls nearly 12,000 students. ETSU is the flagship institution of the Tennessee Board of Regents system in the health sciences. The Division of Health Sciences serves as the infrastructure to unite the health professions programs including the Quillen College of Medicine, College of Nursing, College of Public Health, College of Clinical and Rehabilitative Health Sciences, and the Gatton College of Pharmacy. The Division strives to stimulate close interdisciplinary collaboration in education, research, and service in partnership with surrounding rural communities. The Gatton College of Pharmacy was created in 2005 as a tuition funded, rural focused model that obviated the need for state funding.

The Gatton College of Pharmacy was awarded Candidate accreditation status during the June 2008 meeting of the ACPE Board of Directors. Advancement to Full Accreditation status is being considered at the June 2010 Board of Directors meeting. The College utilizes a traditional academic calendar. The College is physically located on the campus of the J.H. Quillen Veteran's Administration Center and is housed in a newly renovated building that appears on the historical register. The opening of the building allowed the College to increase enrollment to 80 students per class beginning Fall 2008. Enrollment is not expected to increase beyond this number as the small class size provides close personal attention from faculty and staff and promotes a caring and mutually supportive atmosphere in which to learn.

Mission/Vision

The mission of the Gatton College of Pharmacy is to provide a comprehensive and progressive education that prepares pharmacists to assume an active role in providing skilled,

ethical, and compassionate patient care that improves the health and quality of life of residents in Northeast Tennessee and rural Appalachia. The College achieves its mission by maintaining a community of active and creative scholars devoted to the discovery, integration and dissemination of knowledge in the clinical and pharmaceutical sciences.

The College of Pharmacy is committed to the education of pharmacists of the highest ethical and professional standards to deliver competent and compassionate pharmaceutical care. A diverse and dynamic educational environment produces students who are practitioners, health professionals, and providers of humanitarian service to a global community. Graduates will be dedicated to life long learning, developing new knowledge, advancing standards of practice, and integrating physical, mental, social and spiritual dimensions of health.

Curriculum

The Gatton College of Pharmacy offers a 4 year course of study leading to the Doctor of Pharmacy (Pharm.D.) degree. The curriculum is designed to develop critical thinking and problem solving skills in the student. Empathy, appreciation for the patient, ethics, values, attitudes, and professionalism will be developed and cultivated in a graduated manner as the student progresses through the program. Students are given a framework upon which to develop skills, progressing from dependent to independent learners and practitioners. The philosophy of the curricular design involves spiraling through related information sequentially at greater and greater depth to increase learning and retention. The first professional year concentrates on the biomedical sciences with an emphasis on developing critical thinking and laying a comprehensive and scientific foundation for the clinical sciences taught later in the curriculum. In the second professional year, courses concentrate on further development of problem solving ability with less well defined problems, critical analysis of

the biomedical literature and research design, acquiring drug information skills, and exposure to more complex pharmacology and therapeutics situations. Third year students refine the ability to learn independently and function as members of an interdisciplinary health care team in a rapidly changing health care environment. The fourth professional year focuses on experiential education, where students function under the supervision of preceptors in patient care settings. During this final year, students refine the skills necessary to apply all the abilities and attitudes acquired earlier in the program.

Admission Requirements

In order to be eligible for admission, an applicant must be a U.S. citizen or possess a U.S. Permanent Resident Visa. Applicants who have been granted asylum status are also eligible. Application to the Gatton College of Pharmacy is made through the Pharmacy College Application Service (PharmCAS). Applications will not reviewed until all required materials are received (i.e., PCAT scores and letters of reference as specified below). Applicants selected for interview will be required to complete a supplemental application (at no charge).

Applicants must complete all specified prerequisite undergraduate coursework with a minimum passing grade of "C". Only courses taken at a college or university accredited by a regional accrediting agency recognized by the U.S. Department of Education will be accepted. All prerequisite coursework must be completed prior to enrollment; however, students who will have completed the prerequisites by the end of the spring semester prior to enrollment will be more competitive for admission.

All applicants are required to report PCAT scores to PharmCAS by the close of the current application period. PCAT scores must be taken within 3 years of the application deadline in order to be considered.

Prerequisite Courses

Course	Semester Hours
General Biology and Lab (<i>applicable toward science degree</i>)	4
Microbiology with Lab (<i>applicable toward science degree</i>)	4
Other Biology (<i>applicable toward science degree; combined A&P course will satisfy this requirement if both semesters are taken</i>)	3
General Chemistry with Lab (<i>applicable toward science degree</i>)	8
Organic Chemistry with Lab (<i>applicable toward science degree</i>)	8
General Physics with Lab (<i>applicable toward science degree</i>)	4
Calculus	3
Statistics	3
Economics	3
Composition	3
Oral Communication	3
Additional Writing or Oral Communication	3
Social Sciences, Behavioral Sciences, or Humanities Electives	9
General Elective (<i>science course recommended</i>)	3

Statistics for 2010 Entering Class Acceptees

Number interviewed:	185
Number accepted:	135
Estimated entering class size: . . . . .	.80
Estimated male (%):	47%
Estimated female (%):	53%
Estimated out-of-state (%):	40%

Application Process and Requirements

Participates in PharmCAS: Yes
 Deadline for receipt of applications: February 1
 Supplemental application required: Yes
 Supplemental application fee: \$50
 Expected GPA: *Not reported*
 Minimum overall GPA considered: *Not reported*
 Minimum prerequisite GPA considered: *Not reported*
 PCAT required: Yes
 Minimum PCAT scores considered: *Not reported*
 Oldest PCAT scores considered: 3 years
 Interview required: Yes

At least two letters of recommendations are required. One recommendation MUST be from a science or math faculty member who has taught the student at the applicant's academic institution. A pre health committee letter will be accepted in lieu of the faculty letter. The second recommendation may be from a source of the applicant's choosing; however, letters from family members will not be accepted. Applicants are encouraged to request a recommendation from an individual capable of attesting to the applicant's potential as a future health care professional. Letters from employers, especially if the employer is a pharmacist, are also encouraged. Applicants are required to submit the letters of reference through PharmCAS (refer to PharmCAS for instructions).

The Gatton College of Pharmacy gives preference to applicants who are residents of Tennessee and residents of our contiguous Appalachian service area who are interested in our emphasis on the practice of rural institutional or community pharmacy.

Applicants applying as permanent residents, refugees, or political asylees are required to submit proof of eligibility.

For Further Information

For further information, applicants are encouraged to visit the Gatton College of Pharmacy website at www.etsu.edu/pharmacy or to contact the Office of Admissions at pharmacy@etsu.edu.

Lipscomb University

College of Pharmacy

Accreditation Status: *Candidate*

Type of Institution: *Private*

Main Campus: *Nashville, TN*

Branch Campus(es): *None*

Satellite Program(s): *None*



General Information

Lipscomb University was established in 1891, by David Lipscomb and James A. Harding. Their goal was to create a premier educational institution that aspired to academic excellence, regarding Christian teachings as the foundation for learning. This goal remains our guiding mission today. Lipscomb University is affiliated with the churches of Christ.

At Lipscomb, faculty and students come together to create an environment for enthusiastic faith informed learning that is kindled for a lifetime. In this challenging academic environment, students are called to think critically and appreciatively about the wonders of the world around them... and encouraged to find their own unique and special role in this world.

Lipscomb strives to allow strong leadership and devoted service come together in each one of us. We challenge students to grow to become better leaders, bringing their faith to their communities and professions, and leading the way in humble service to others. This legacy is served by over 45,000 alumni.

Lipscomb is located in a beautiful, quiet neighborhood, just four miles away from vibrant downtown Nashville, Tennessee. From the peaceful sanctuary of our 65 acre campus to the lively and enriching city center in only a few minutes, it's literally the best of both worlds.

Students from many geographic locations and diverse backgrounds come together to learn, grow, socialize, build relationships, explore their faith and create successful futures. Nearly 2,600 undergraduate students and just under 500 graduate students are enrolled at Lipscomb University, with a dream of what they will do in life, and more importantly, the kind of person they will be in life. Lipscomb offers more than 130 programs of study in 47 majors leading to bachelor of arts, bachelor of

business administration, bachelor of music in music education, bachelor of science in nursing degrees, and graduate degrees in Bible, business, conflict management, counseling and education. Lipscomb also offers the Doctor of Pharmacy degree.

The College of Pharmacy is housed in the Burton Health Sciences Building. The physical facility design was created to facilitate interaction among administration, faculty, and student pharmacists. Large lecture halls are located on each floor of the pharmacy building, in which state of the art education technology is deployed to support various types of student learning approaches and preferences. Screens are strategically placed to provide optimal visual aids for student pharmacist learning. Each lecture hall can accommodate 80 student pharmacists.

Medium sized class rooms are located on two floors and will provide versatile classroom space and can accommodate 40 student pharmacists. Small group study rooms are equipped with AV capability to facilitate learning, case presentations, simulations, and reflective exercises. Small group study rooms are ideal for breakout sessions for discussion and projects, providing an environment for developing the students' ability to work in team based learning functions. Open space areas are located on the lower level of the building and will be used for critical thinking discussions. These rooms are capable of being arranged in a variety of settings (maintaining AV capability) to allow for simultaneous small group study sessions, student pharmacist meetings, continuing education meetings, and community events.

The Pharmaceutical Dispensing Laboratory is equipped to develop the student pharmacists' pharmaceutical compounding skills and aseptic techniques. Student pharmacists will learn in a simulated environment to develop their dispensing, compounding, and patient counseling skills. The Pharmaceutical Dispensing Laboratory can accommodate 44

student pharmacists. The Integrated Biomedical Sciences (IBS) laboratory will engage student pharmacists in laboratory exercises, experiments, and simulations that supplement and enhance didactic material in the biomedical and pharmaceutical sciences. The IBS laboratory is designed with appropriate safety precautions to contain state of the art research equipment in order to characterize the biochemical, physiological, or pharmacological basis of drug discovery, formulation, disposition, and response. The IBS laboratory can accommodate 32 student pharmacists. Additionally, student pharmacists may have opportunity to work with research faculty and lab personnel in electives to broaden their range of career options. The patient assessment laboratory will be utilized in the teaching of physical assessment skills, patient counseling, and other patient focused skills such as immunization techniques.

Mission/Vision

The mission for the Lipscomb University College of Pharmacy is to provide an educational environment characterized by academic excellence and Christian faith, where student pharmacists are prepared to advance the profession and optimize patient medication outcomes in an ethical and compassionate manner.

Curriculum

The goal of the Lipscomb University College of Pharmacy curriculum supports the College's mission to provide an educational experience that demands academic excellence in the classroom and the practice setting coupled with an ongoing demonstration of Christian values. Through a combination of educational experiences ranging from basic science coursework to direct patient interactions, these curricular experiences will prepare student pharmacists to:

- Optimize medication outcomes in an ethical and compassionate manner;

Prerequisite Courses

Course	Semester Hours
General Chemistry with Labs.	8
Organic Chemistry with Labs.	8
Physics with Lab.	4
Biology with Lab.	4
Calculus (<i>for science majors</i>)	3
Statistics (<i>not business statistics</i>)	3
English Composition I and II.	6
Speech/Communications	3
Economics (<i>Micro/Macro</i>)	3
Electives (<i>Must include six hours of humanities electives, six hours of social sciences electives, and eight hours of other electives</i>)	20

Statistics for 2009 Entering Class Acceptees

Number interviewed:	189
Number accepted:	158
Estimated entering class size:	75
Estimated male (%):	48%
Estimated female (%):	52%
Estimated out-of-state (%):	53%

Application Process and Requirements

- Participates in PharmCAS: Yes
- Deadline for receipt of applications: February 1
- Supplemental application required: Yes
- Supplemental application fee: \$50
- Expected GPA: 3.3
- Minimum overall GPA considered: 2.5
- Minimum prerequisite GPA considered: No minimum
- PCAT required: Yes
- Minimum PCAT scores considered: 45th percentile (composite); 30th percentile (subject areas)
- Oldest PCAT scores considered: No limit
- Interview required: Yes

- Satisfy pre licensure requirements of Boards of Pharmacy;
- Develop student pharmacists into effective practitioners with excellent patient care skills;
- Manage ethical, cultural, and socioeconomic challenges the student pharmacist will encounter throughout everyday practice.

Pre-pharmacy prerequisites will allow the candidate to show a balance in the sciences as well as undergraduate general education requirements. In addition, candidates will be evaluated for intellectual, social, and professional attributes needed to function as a pharmacist. Criminal background checks will be required at critical points during matriculation through the curriculum.

Student pharmacists will participate in introductory and advanced pharmacy practice experiences as they progress through the curriculum. These experiences will be located in a variety of practice settings, most of which will be located on the Nashville area. These experiences will provide student pharmacists the opportunity for direct patient interactions as a member of an interdisciplinary healthcare team.

Lipscomb University College of Pharmacy utilizes a rolling admissions process. Applicants are strongly encouraged to apply early.

All applications for the entry-level Pharm.D. program must be submitted to and processed by Pharmacy College Application Service (www.pharmacas.org).

Admission Requirements

Information regarding admissions to Lipscomb University College of Pharmacy can be found at <http://pharmacy.lipscomb.edu>.

Pre-pharmacy requirements consistent with ACPE Standards have been established and, at a minimum, 66 semester hours of academic success in pre-pharmacy undergraduate studies will be required. The completion of additional coursework is preferred.

The admissions process involves a holistic approach, and includes an evaluation of the GPA in pre-pharmacy courses, analysis of the trends in science and math courses, scores on the PCAT exam, four letters of recommendation, a writing exercise and an interview to determine communication skills, maturity, early indications of professionalism, and profession perspective. Attempts to assess character, integrity, and motivation are made.

Union University

School of Pharmacy

Accreditation Status: *Candidate*

Type of Institution: *Private*

Main Campus: *Jackson, TN*

Branch Campus(es): *None*

Satellite Program(s): *None*



General Information

Union University is a private, four year, coeducational liberal arts based university in Jackson, Tennessee with an enrollment of over 3,300 undergraduate and graduate students from 44 states in the United States and 36 nations. Union offers over 90 programs of undergraduate study within 23 major areas. Both undergraduate and graduate students benefit from a student to faculty ratio of 11:1. Graduate programs include programs of study such as Pharmacy, Nursing, Education, Business, Christian Studies, and Intercultural Studies.

Founded in 1823, Union University is the oldest institution affiliated with the Southern Baptist Convention. Union University's main campus is located on a beautiful 290-acre site in North Jackson. A satellite campus is located on 14 acres in Germantown, Tennessee. In 2009, Union University was named one of the South's top tier universities for the 13th straight year by the U.S. News & World Report.

The University has plans for a new building that will house state of the art simulation labs and classrooms dedicated exclusively to pharmacy education. The architectural plans will include a 60,000 square foot building that will house 25–30 faculty offices, faculty and student conference rooms, student breakout rooms, several classrooms each accommodating 60–70 students, student application labs, a drug information center, and a research lab for the faculty. The building will be built adjacent to the recently completed \$20.5 million White Hall science building that houses biology, chemistry, and nursing. The anticipated date of completion for the School of Pharmacy building is June 2010.

Mission/Vision

Union University provides Christ centered education that promotes excellence and character development in service to Church and

society. Union students will serve not only the citizens of Madison County and the State of Tennessee but will serve both nationally and internationally through various medical mission opportunities.

Union University is an academic community, affiliated with the Tennessee Baptist Convention, equipping students to think Christianly and serve faithfully in ways consistent with its core values of being Christ-centered, people-focused, excellence-driven, and future-directed. These values shape its identity as an institution which prioritizes liberal arts based undergraduate education enhanced by professional and graduate programs. The academic community is composed of qualified faculty, staff, and students working together in a caring, grace filled environment conducive to the development of character, servant leadership, and cultural engagement.

The School of Pharmacy's vision as it relates to pharmacy practice, research, and education is to: promote a Christ-centered environment that focuses on the intellectual, spiritual, and moral development of the student in committing themselves to the service and needs of society; provide academic excellence that instills knowledge of basic biomedical sciences, pharmaceutical sciences, social pharmacy sciences, behavioral pharmacy sciences, administrative pharmacy sciences, and clinical sciences; develop the pharmacy student as a practitioner that is people focused in providing optimum care to their clients based on evidence based best practice standards; and support an academic environment that fosters the future directed growth of student educational opportunities as it relates to new educational, practice, and research initiatives.

Curriculum

The curriculum at Union University is a four year course of study with the initial two and one-half years of study consisting of didactic, small-group and introductory practice

experiences. The remaining one and one-half years consists of ten one-month advanced practice experiences and three months of focused small group electives and required courses. The completion of basic sciences courses in the pre-requisites allows the curriculum to expose students to pharmacy specific concepts and course work early on in their academic experience.

Admission Requirements

Information regarding admission to Union University's School of Pharmacy can be found at www.uu.edu/academics/sop.

Admission to the School of Pharmacy is by committee action, based on the overall record and academic performance on pre-pharmacy requirements, Pharmacy College Admission Test (PCAT) scores, an interview, writing sample, and letters of recommendation. Potential students must complete 90 hours of undergraduate work to be eligible for admission.

For Further Information

Pharmacy Admission Coordinator
Union University
School of Pharmacy
1050 Union University Drive
Jackson, TN 38305
731-661-5910
www.uu.edu/academics/sop

Prerequisite Courses

Course	Semester Hours
Biology or Zoology I & II	8
General Chemistry I & II	8
Organic Chemistry I & II	8
Human Anatomy and Physiology I & II	8
Physics I.	4
Biochemistry I & II.	6
Microbiology	3
Immunology.	3
Calculus	3
Statistics	3
Written Composition I & II	6
Communications/Speech	3
Humanities Electives	6
Social Sciences Electives	6
General Electives	15

Statistics for 2009 Entering Class Acceptees

Number interviewed:	180
Number accepted:	80
Estimated entering class size: . . . . .	.47
Estimated male (%):	45%
Estimated female (%):	55%
Estimated out-of-state (%):	60%

Application Process and Requirements

Participates in PharmCAS: *Yes*
 Deadline for receipt of applications: *March 1*
 Supplemental application required: *Yes*
 Supplemental application fee: *\$50*
 Expected GPA: *2.5*
 Minimum overall GPA considered: *2.5*
 Minimum prerequisite GPA considered: *2.75*
 PCAT required: *Yes*
 Minimum PCAT scores considered: *40th percentile*
 Oldest PCAT scores considered: *Not reported*
 Interview required: *Yes*

The University of Tennessee

College of Pharmacy

Accreditation Status: *Full*
Type of Institution: *Public*
Main Campus: *Memphis, TN*
Branch Campus(es): *None*
Satellite Program(s): *None*



General Information

The mission of the University of Tennessee College of Pharmacy is to provide professional, graduate, and postgraduate education, conduct pharmaceutical and biomedical research, and deliver pharmaceutical care and public services.

The University of Tennessee Health Science Center at Memphis campus is in the heart of the Memphis Medical Center, one of the largest healthcare complexes in the Southeastern United States. The major clinical training facilities are Methodist/University Hospital, Baptist Hospital, the MED, the VAMC, St. Francis Hospital, LeBonheur Children's Hospital, and St. Jude Children's Research Hospital. Facilities of particular interest to the future pharmacist include the drug information center, the center for drug discovery, the pharmacokinetic drug research center, the center for pediatric pharmacokinetics, the parenteral medications laboratory, and the sterile biomaterials laboratory. The College also has a satellite campus in Knoxville for the final 3 years of the professional program as well as clinical education centers in Nashville, Chattanooga, Jackson and Tri Cities for the final 3 semesters of the professional program.

Mission/Vision

Vision

The VISION of the University of Tennessee College of Pharmacy is to become one of the top five colleges of pharmacy in the United States.

Mission

The MISSION of the University of Tennessee College of Pharmacy is to graduate students with the Doctor of Pharmacy degree who serve the evolving healthcare needs of Tennesseans by delivering pharmaceutical care. The College provides graduate and postgraduate education programs; conducts basic, clinical, and translational research;

and provides health services in a variety of settings. The College of Pharmacy offers continuing education for pharmacists. The College maintains excellence and diversity among its students, faculty, staff, and programs.

Curriculum

The College of Pharmacy offers the Pharm.D. degree, the Dual Pharm.D./Ph.D. degree, and the M.S. and Ph.D. degrees. The College does not offer a B.S. degree in pharmacy, the post B.S. Pharm.D. degree, or the non-traditional Pharm.D. degree program.

The first year (2 semesters) of the professional curriculum builds upon the prepharmacy education and focuses on pharmacology, medicinal chemistry, pharmaceuticals, non-prescription drugs, and basic clinical & communication skills. The next 3 semesters of the second year & third year curriculum consist of therapeutics, pathophysiology, biopharmaceutics, pharmacokinetics, clinical literature retrieval & evaluation, pharmacy practice management, electives, and introductory clinical experiences. The final 3 semesters of the third and fourth year curriculum consists of clinical clerkships, externships in community and hospital practice, and electives. Pharmacy students spend a minimum of 12 months applying their skills with practical pharmacy experiences in community, hospital or advanced clinical sites such as internal medicine, ambulatory care, critical care, cardiology, parenteral nutrition, mental health, pediatrics, geriatrics, transplant, home infusion, substance abuse, and other specialty areas. These experiences may be obtained in selected sites across the state, in one of three other states, or in one of eight foreign countries. The additional 3 months are spent in elective courses, selectives, or elective clinical rotations.

The Dual Pharm.D./Ph.D. program is designed for students who have an interest in research and has two primary focus areas:

pharmaceutical sciences and health sciences administration. The Pharm.D./Ph.D. dual program requires approximately seven years to complete. The Pharm.D. portion of the program will be completed during the first four years, after which students will be eligible to take the State Board of Pharmacy examination and receive their pharmacists' license.

All students must first be admitted to the UT College of Pharmacy's Pharm.D. program before they can be considered for the dual degree program. Applicants must hold a B.S. or a B.A. degree in one of the sciences, or must have completed three years of education at a college or university which will grant a B.S. or B.A. after completion of one additional year of education at the UT College of Pharmacy. A minimum GPA of 3.0 and Pharmacy College Admission Test score of 40th percentile is required. A combined minimum score of 1,000 on the verbal and quantitative sections of the Graduate Record Examination is required with no individual score below the 25th percentile. In addition, a minimum of 3.0 is required on the analytical writing section.

Admission Requirements

Admission to the college is by committee action, based on the overall record and aptitude of the applicant. Applicants to the College of Pharmacy are required to complete a minimum of three academic years of prerequisites at any accredited institution. Admission is competitive. Some of the important factors considered in applicant evaluation are academic performance: cumulative GPA (minimum of 2.5 is required), science grades, completeness of transcript, trends; standardized test scores: the PCAT, SAT or ACT scores; and other factors such as personal references, pre-professional evaluation, work experience, etc.

A personal interview is required as a part of the admission process in order to evalu-

Prerequisite Courses

Course	Semester Hours
General Biology/Zoology	8
Anatomy-Physiology	8
Microbiology	3
Immunology	3
General Chemistry	8
Organic Chemistry	8
Biochemistry	6
Statistics	3
Calculus	3
Physics	4
English Composition	6
Communications/Speech	3
Electives: Literature/History/Language/ Philosophy	6
Electives: Sociology, Psychology, Anthropology, Political Science, Economics	6
General Electives	15

Statistics for 2009 Entering Class Acceptees

Number interviewed:	480
Number accepted:	257
Estimated entering class size:	163
Estimated male (%):	42%
Estimated female (%):	58%
Estimated out-of-state (%):	18%

Application Process and Requirements

Participates in PharmCAS: Yes
 Deadline for receipt of applications: February 1
 Supplemental application required: No
 Supplemental application fee: Not applicable
 Expected GPA: 3.0
 Minimum overall GPA considered: 2.5
 Minimum prerequisite GPA considered: 2.5
 PCAT required: Yes
 Minimum PCAT scores considered: 70th percentile
 Oldest PCAT scores considered: 1 year
 Interview required: Yes

ate the applicant's motivation, career path exploration and communication skills. All candidates are required to take the Pharmacy College Admission Test (PCAT). A composite score of 40th percentile is required with no individual area score below 25th percentile.

Applications must be submitted prior to February 1 of the year in which admission is desired. The College admits only one class per year (fall semester) of 200 students. Although priority is given to qualified residents of Tennessee, the College accepts a minimum of 10% non-residents up to a maximum of 20% non-residents in each class.

The first three years of preprofessional curriculum must be taken in an accredited college, junior college or university. This work is not offered at the University of Tennessee Memphis. The requirements include 90 semester hours in approved courses.

Other Programs

The Degree Programs

- Doctor of Pharmacy (Pharm.D.)
- Graduate (M.S. & Ph.D.)
- Dual degree (Pharm.D./Ph.D.)

For Further information

Admission:

The College of Pharmacy
 847 Monroe Ave.
 Memphis, TN 38163
 901-448-6036
www.uthsc.edu/pharmacy/

Texas A&M Health Science Center

Irma Lerma Rangel College of Pharmacy

Accreditation Status: *Full*
Type of Institution: *Public*
Main Campus: *Kingsville, TX*
Branch Campus(es): *None*
Satellite Programs: *None*



General Information

The Irma Lerma Rangel College of Pharmacy, a component of the Texas A&M University System Health Science Center (A&M HSC), is located on the campus of Texas A&M University Kingsville. Other academic units within the A&M HSC include the College of Medicine, College of Nursing, Baylor College of Dentistry, School of Rural Public Health, the Institute of Biosciences and Technology, and the Graduate School of Biosciences and Technology.

The College is located in a state of the art building, which provides a 63,000-square foot area to support the College's curricular and programmatic goals. Major hospitals, community pharmacies, outpatient clinics, and a number of specialty pharmacies (e.g., nursing home, home health care) will serve as clinical sites for students enrolled in the Doctor of Pharmacy degree program.

The existing Texas A&M Health Science Center educational programs, research initiatives, and outreach activities in South Texas provided a strong foundation on which the College has continued to build. Strong clinical partnerships and agreements were already in place for pharmacy students and faculty in the College, thereby allowing for interdisciplinary training of health professional students. Each fall semester, approximately 90 students are accepted into the incoming class.

Mission/Vision

The Mission of the Texas A&M Health Science Center College of Pharmacy is to provide a comprehensive pharmacy education in a stimulating, learning intensive, student centered environment to prepare a diverse student body for the practice of pharmacy as competent, caring, ethical professionals dedicated to the provision of optimal pharmaceutical care through a balanced program of education, research, and service. As a state

supported institution, the College has an obligation to enhance the quality of life of its constituents by utilizing its expertise to expand the knowledge of pharmacy and pharmacotherapy. The College values excellence in teaching, research and scholarship, drug therapy management, and public service.

The College of Pharmacy is committed to the following educational ideals: 1) Create an active, student centered learning environment in which all students can realistically attain high levels of achievement; 2) Provide an educational experience that values and responds to the needs of a diverse student population and encourages teamwork and communication; 3) Use Internet and technology to facilitate and enhance student learning outcomes inside and outside the classrooms; 4) Recognize the importance of early exposure to the practice of pharmacy, which can be built upon in order to develop superior practice skills; 5) Impart the knowledge, skills, attitudes and values to deliver the full range of pharmaceutical care services required in a dynamic, culturally diverse society; and 6) Foster an environment that leads to developing a learning style that can be applied lifelong.

Curriculum

The HSC College of Pharmacy offers the Doctor of Pharmacy (Pharm.D.) as its single professional degree. It is offered through an integrated curriculum in a four-year program. The first year of the curriculum comprises courses that will provide a fundamental understanding of both basic biomedical sciences and patient care concepts that will form the knowledge base required for future decision making. In the second and third years, there is a continuation of the basic biomedical science foundation; and the emphasis shifts toward a more patient-centered, practice-based learning format with the Integrated Pharmacotherapy Sequence. Throughout the professional program, the social, behavioral, and administrative sciences are

covered. Case studies are utilized throughout the curriculum to facilitate active learning. Other learning formats include group effort and consensus-building exercises leading to oral presentations and discussions related to contemporary pharmacy practice. The final year concentrates on advanced practice experiences and grand rounds presentations. Each clinical rotation will facilitate interactions with other health care professionals and direct interactions with patients during the delivery of pharmaceutical care.

Admission Requirements

The College of Pharmacy admits once each year for enrollment in the fall semester. Admission to the Doctor of Pharmacy program is very competitive and is granted to the best-qualified applicants, based on the available seats. To be considered for admission, applicants should complete pre-pharmacy coursework at any regionally accredited college or university and have a minimum cumulative grade point average (GPA) of 2.75 or more on all college level courses completed.

In addition, a student seeking admission consideration must take the Pharmacy College Admissions Test (PCAT) and earn a minimum 50 percent composite score, have three official letters of recommendation sent to the College of Pharmacy, and submit an application and all official college transcripts. The online application for admission to the Doctor of Pharmacy program must be completed, and all credentials must be received by February 1 each year for students entering in the fall semester. A competitive GPA and an acceptable composite score on the PCAT are needed to qualify for the required personal interview. Selection criteria involve many important factors, including GPA (particularly in science and math), PCAT score, recommendation letters, writing proficiency and the performance in a personal interview. The College will notify successful applicants of their conditional acceptance by April 1. Any applicant who has earned a bachelor's degree

Prerequisite Courses

Course	Semester Hours
English Composition I & II	.6
Calculus I	.3
Statistics	.3
Speech Communication	.3
General Biology I & II with Labs	.8
College Physics with Lab	.4
General Chemistry I & II with Labs	.8
Organic Chemistry I & II with Labs	.8
Microbiology with Lab	.4
Molecular Biology/Genetics	.3
Art, Music, or Theater	.3
Literature, Philosophy, Language, Anthropology, or Geography	.4
Sociology, Psychology, Economics, or Computer Science	.3
History, U.S. or Texas	.6
Political Science	.6
Total	.72

Visit pharmacy.tamhsc.edu under "Prospective Students" for more information.

Statistics for 2009 Entering Class Acceptees

Number interviewed:	240
Number accepted:	.87
Estimated entering class size:	.87
Estimated male (%):	52%
Estimated female (%):	48%
Estimated out-of-state (%):	1%

Application Process and Requirements

Participates in PharmCAS: *No*
 Deadline for receipt of applications: *February 1*
 Supplemental application required: *No*
 Supplemental application fee: *Not applicable*
 Expected GPA: *3.5*
 Minimum overall GPA considered: *2.75*
 Minimum prerequisite GPA considered: *2.75*
 PCAT required: *Yes*
 Minimum PCAT scores considered: *50th percentile*
 Oldest PCAT scores considered: *3 years*
 Interview required: *Yes*

is exempt from the English and humanities/social sciences requirements. Any applicant not born in the United States or a country where English is the official language must furnish proof of English language proficiency and academic skill proficiency by February 1 for consideration for admission for the fall semester; this requirement includes all applicants regardless of citizenship or visa status. For the most current information, please visit our web site.

For Further Information

Office of Student Affairs
 Texas A&M Health Science Center
 Irma Lerma Rangel College of Pharmacy
 MSC 131, 1010 West Avenue B
 Kingsville, TX 78363-8202
 361-593-4271
 Fax: 361-593-4277
<http://pharmacy.tamhsc.edu/>

Texas Southern University

College of Pharmacy and Health Sciences

Accreditation Status: *Full*
Type of Institution: *Public*
Main Campus: *Houston, TX*
Branch Campus(es): *None*
Satellite Program(s): *None*



General Information

Texas Southern University (TSU), located in Houston, Texas, is one of the largest senior level, comprehensive, historically Black universities in the nation with 9,394 students enrolled. TSU was established in 1947 by the 50th Texas Legislature and the university established the School of Pharmacy in its original configuration in 1949. In 1983, the School of Pharmacy was merged with the Department of Health Sciences and renamed the College of Pharmacy and the Health Sciences.

The College of Pharmacy and Health Sciences is a member of the Texas Medical Center, one of the world's premiere sites of multi institutional health related education, research and training. Major hospitals serve as clinical sites for students enrolled in the Doctor of Pharmacy degree programs.

Mission/Vision

The mission of the Texas Southern University College of Pharmacy and Health Sciences (COPHS) is to produce quality health care professionals, especially African Americans and other ethnic minorities, who are competent in health care delivery, including the provision of patient centered care and other health care services and programs.

In fulfilling its purpose, the College is committed to six objectives: (1) providing an innovative, productive and receptive learning environment for research and scholarly activities and services; (2) infusing new technology into its infrastructure and academic programs; (3) preparing, nurturing and mentoring students to be leaders in their fields and good citizens who give back to their city, state, nation and global communities ; (4) evaluating and assessing academic programs to ensure that the programs support the mission, vision and values of the university and the college; (5) supporting the advancement of graduate education and research; and (6)

developing cross disciplinary programs to reduce health disparities among minority and other disadvantaged populations.

Curriculum

The College of Pharmacy and Health Sciences offers a Doctor of Pharmacy degree: (two years pre-pharmacy, four years professional program).

The Pharm.D. program provides diverse pharmacy practice and patient care experiences throughout the curriculum. The students are exposed to various practice settings including community pharmacy, hospital or health system pharmacy, ambulatory care and inpatient/acute care general medicine. The final year (fourth professional year) of the Pharm.D. Program is devoted solely to advanced professional pharmacy practice experiences and is designed to prepare students for contemporary patient centered pharmacy practice as entry level pharmacy practitioners. Each six week rotation facilitates interactions with other health care professionals and direct daily interactions with patients during the delivery of pharmaceutical care.

Admission Requirements

Admission to the College of Pharmacy and Health Sciences is under the Office of Student Services in the College of Pharmacy and Health Sciences.

Credentials for admission must include a complete record of all college or university studies. An applicant may be admitted to the College of Pharmacy and Health Sciences by transfer from an accredited college or from an approved junior college (maximum of 66 semesters hours) under the following conditions (1) applicant receives favorable decision from the Pharmacy School Admissions and Academic Standards Committee; (2) applicant is not under penalty for low scholarship or unsatisfactory conduct in any

collegiate institution previously attended; (3) academic average in all college work previously attempted is not below the grade of "C+" with a GPA of 2.75 or more on a 4.0 scale; (4) applicant receives an acceptable composite score on the Pharmacy College Admissions Test (PCAT).

Application Deadline: Students who seek admission should request the registrars of institutions previously attended to forward two official transcripts directly to the College of Pharmacy and Health Sciences, Student Services Office.

The online application for admission to the entry-level Pharm.D. program and complete credentials must be received in the Office of Student Services by February 15th.

For Further Information

Melva R. Davis
Coordinator of Admissions
College of Pharmacy and Health Sciences
Texas Southern University
3100 Cleburne Street
Houston, TX 77004-5508
713-313-4345
Fax: 713-313-1901
www.tsu.edu/academics/pharmacy

Prerequisite Courses

Course	Semester Hours
English .....	.9
Speech Communications .....	.3
Biology	16
Chemistry	16
College Physics with Lab .....	.4
Statistics .....	.3
Pre-Calculus .....	.3
Calculus .....	.4
American History .....	.6
Political Science (<i>accepted from TX schools only</i>) .....	.6
Computer Science .....	.3
Social and Behavioral Sciences .....	.3
Humanities and Visual Performing Arts .....	.3
Medical Terminology .....	.1

Statistics for 2009 Entering Class Acceptees

Number interviewed:	156
Number accepted:	110
Estimated entering class size:	108
Estimated male (%):	32%
Estimated female (%):	68%
Estimated out-of-state (%):	0%

Application Process and Requirements

Participates in PharmCAS: *No*
Deadline for receipt of applications: *February 15*
Supplemental application required: *Yes*
Supplemental application fee: *\$42*
Expected GPA: *3.0*
Minimum overall GPA considered: *2.75*
Minimum prerequisite GPA considered: *2.75*
PCAT required: *Yes*
Minimum PCAT scores considered: *Competitive*
Oldest PCAT scores considered: *1 year*
Interview required: *Yes*

Texas Tech University Health Sciences Center School of Pharmacy

Accreditation Status: Full
Type of Institution: Public
Main Campus: Amarillo, TX
Branch Campus(es): Abilene, TX
Satellite Program(s): Dallas, TX; Lubbock, TX



General Information

Texas Tech University Health Sciences Center (TTUHSC) School of Pharmacy (SOP) is an instrument of the State used to equip pharmacy students with the knowledge and skills to provide comprehensive pharmaceutical care. TTUHSC School of Pharmacy accepts approximately 155 full time students into the professional program each year. Students in the Pharm.D. program may preface their location for Amarillo or Abilene. Those who opt for Amarillo spend the first two years of the four year program there; some students remain in Amarillo while others are deployed to Lubbock and the Dallas/Ft. Worth area. Students who choose Abilene will spend all four years there.

Mission/Vision

The Mission of TTUHSC SOP is to enhance the lives of diverse people of Texas and beyond, through excellence and innovation in: educating health care practitioners, researchers, and educators, providing pharmaceutical care and service, and advancing knowledge through scholarship and research.

Curriculum

The TTUHSC School of Pharmacy offers the traditional four year doctor of pharmacy program as its single professional degree. Doctoral candidates are admitted and enrolled in the fall semester. Each year studies must be enrolled on a full time basis and due to the large number of clinical rotations, an integrated curriculum involving disease states and fourteen pharmacotherapy courses. The curriculum is student centered, providing problem based educational experiences with six or seven students in small tutorial groups guided by an instructor. Courses will be integrated to teach students the application of basic concepts in patient care. Clinical experiences will cover the spectrum of practical knowledge needed to be a successful pharmacist. Early clinical experiences will

be explored through the Introduction to Pharmacy Practice I & II during the first and second years. These courses provide the student an early exposure to a variety of pharmacy practice settings. This allows students to develop empathy for the patients they serve and to foster professional attitudes. During the third and fourth years, the advanced pharmacy practice experiences will develop professionals that will be prepared for careers in all areas of pharmacy. With advanced training, students also will be prepared for specialty practice and research careers.

Admission Requirements

To be eligible for review, each applicant must have finalized their online application including the calculation of their pre pharmacy grade point average and must have submitted all necessary documents by the required deadline. Eligibility for an interview invitation is dependent upon on the size of the applicant pool each year. Applicants must have completed all science and math pre pharmacy courses with a grade of "C" or better. Students making application should have completed at least two full academic years of pre pharmacy before entering the Pharm.D. program.

Applicants, who have earned a bachelor's degree prior to enrolling in the School of Pharmacy, are exempt from the English and humanities/social sciences requirements. Advanced Placement (AP), CLEP or dual credit accepted if included on a college or university transcript. Please contact the School of Pharmacy for admissions criteria or visit our web site.

For Further Information

Texas Tech University Health Sciences Center
School of Pharmacy
1300 S. Coulter Drive, Suite 2210C
Amarillo, TX 79106
806-354-5418
www.ttuhsu.edu/sop/

Prerequisite Courses

Course	Semester Hours
General Chemistry .....	.8
Organic Chemistry .....	.8
Physics .....	.4
General Biology .....	.8
Microbiology .....	.4
3000 Level Human-Based Life Science Course	3-4
Calculus	3-4
Statistics	3-4
English .....	.6
Literature .....	.3
Public Speaking .....	.3
Economics .....	.3
Humanities or Social Sciences	15

Statistics for 2009 Entering Class Acceptees

Number interviewed:	268
Number accepted:	170
Estimated entering class size:	130
Estimated male (%):	50%
Estimated female (%):	50%
Estimated out-of-state (%):	1%

Application Process and Requirements

Participates in PharmCAS: *No*
 Deadline for receipt of applications: *December 15*
 Supplemental application required: *No*
 Supplemental application fee: *Not applicable*
 Expected GPA: *Not reported*
 Minimum overall GPA considered: *Not reported*
 Minimum prerequisite GPA considered: *3.0*
 PCAT required: *Yes*
 Minimum PCAT scores considered: *50th percentile*
 Oldest PCAT scores considered: *2 years*
 Interview required: *Yes*

University of Houston

College of Pharmacy

Accreditation Status: *Full*

Type of Institution: *Public*

Main Campus: *Houston, TX*

Branch Campus(es): *None*

Satellite Program(s): *Houston, TX*



General Information

The University of Houston (UH), founded in 1927, is a state assisted institution located on a 667 acre wooded campus about three miles southeast of the downtown area in the nation's fourth largest city. It enrolls more than 36,000 students during the academic year and more than 17,000 in the summer sessions.

The College of Pharmacy, which was established in 1947, is housed in two facilities located within a few minutes commuting distance. The college's facility at the University of Houston main campus, where the students spend the first two years in the professional program, offers an Education Technology Center and the college's library. The college's satellite campus in the Texas Medical Center provides students the opportunity to train with physicians, medical students, members of the College's clinical faculty and other healthcare professionals. The building is home to the college's Pharmacy Care Laboratory where students learn techniques in patient care by role playing situations they will experience as pharmacists. The Sterile Products Laboratory teaches students the latest aseptic methods of drug formulation and preparation, especially for use in hospitals and home care. From this satellite campus, students have the benefit of accessing the Texas Medical Center Library, one of the leading biomedical libraries in the nation.

Participation by students in professional organizations is encouraged. Membership in the APhA Academy of Student Pharmacists is available to all students, as is affiliation with such special interest groups as Student Society of Health System Pharmacists, Student National Pharmaceutical Association, Christian Pharmacist Fellowship International, Society of Industry Pharmacy Students, Vietnamese American Pharmacy Student Society, Student National Community Pharmacist Association, Mexican American Pharmacy Students Association, and RxAggies. The College has

three professional fraternities—Kappa Epsilon, Kappa Psi and Phi Delta Chi—and two honor societies—Rho Chi and Phi Lambda Sigma. Student representatives from each class serve on the Pharmacy Council and the Dean's Student Advisory Council, which meet with the College's Dean to address student issues and coordinate service programs for the College and community.

The College of Pharmacy is an involved member of the Houston community. By sharing their expertise and knowledge, faculty members guide students in service learning projects that enhance the students' education and provide valuable community services. Under the auspices of student organizations and classes, student community service projects include Meds for Kids, brown bag medication reviews, blood pressure screenings, diabetes management, osteoporosis screenings, immunizations and patient education. In addition, students receive bioterrorism/emergency response training in cooperation with the City of Houston. Many students also participate in the HOMES Clinic, an interdisciplinary project with Baylor College of Medicine and The University of Texas Houston Health Science Center that serves the homeless population of Houston.

Campus housing currently accommodates approximately 4,000 residents. Five residence halls are located in the Quadrangle. The high-rise Moody Towers offers attractive, modern rooms. Cougar Place is comprised of 10 two-story, garden-type buildings that are primarily reserved for professional and graduate students. Calhoun Lofts offers loft-style living with an urban feel that caters to the mature and serious student. The newest residential facility, Cougar Village is designed to meet the needs of freshmen students and will open August 2010. Three partnership apartment complexes—Cullen Oaks, Bayou Oaks and Cambridge Oaks—offer apartment style floor plans that cater to professional and graduate students as well.

Mission/Vision

The college will be a leader in education, research, service, and pharmacist-delivered patient care in a diverse society to develop life-long learners and improve health care outcomes.

Consistent with this vision, here is its mission: provide comprehensive education that prepares students for pharmacist delivered patient care in a diverse healthcare environment; prepare students to be innovative practitioners who exhibit the ideals of professionalism, leadership, life long learning, and ethical behavior; discover and disseminate knowledge by conducting basic and applied research and scholarly activities; and assess, evaluate, and improve our efforts in education, research, and delivery of patient care.

Curriculum

The College of Pharmacy offers a four year program leading to the doctor of pharmacy (Pharm.D.) degree. The curriculum offers a strong foundation in the pharmaceutical sciences and comprehensive training in the clinical sciences. The student is exposed to contemporary pharmacy practice throughout the program as well as structured introductory pharmacy practice experiences in the second and third year, an early experiential program in the summer prior to the third professional year, and advanced pharmacy practice experience throughout the final year, which takes place in health systems, community, industry and clinics in the Texas Medical Center and greater Houston area.

Opportunity exists for students to also participate in advanced practice experiences with the Indian Health Service in Alaska, Arizona and New Mexico; National Institutes of Health (NIH); and unique local sites such as M.D. Anderson Cancer Center. Emphasis is placed on pharmacist patient interactions, and the student is provided

Prerequisite Courses

Course	Semester Hours
Biological Science I and II with Lab	8
Fundamentals of Chemistry I and II with Lab	8
English I and II	6
US History	6
Calculus	3-4
Statistics	3
Organic Chemistry I and II with Lab	8-10
Microbiology with Lab	4
US and Texas Politics/Government	6
Social/Behavioral Sciences	6
Physics	3
Public Speaking	3
Fine Arts and Humanities	6

Statistics for 2009 Entering Class Acceptees

Number interviewed:	243
Number accepted:	112
Estimated entering class size:	112
Estimated male (%):	34%
Estimated female (%):	66%
Estimated out-of-state (%):	10%

Application Process and Requirements

Participates in PharmCAS: No
Deadline for receipt of applications: February 15
Supplemental application required: No
Supplemental application fee: Not applicable
Expected GPA: Greater than 3.25
Minimum overall GPA considered: 2.5
Minimum prerequisite GPA considered: 2.5
PCAT required: Yes
Minimum PCAT scores considered: Competitive
Oldest PCAT scores considered: 2 years
Interview required: Yes

with an opportunity to work directly with pharmacists, nurses, physicians and other health professionals. The Texas State Board of Pharmacy accepts the experience gained in the college's experiential (internship) courses as fulfilling the practical experience required for licensure.

The UH College of Pharmacy also partners with several organizations on a limited number of post doctoral residencies to qualified individuals each year in cooperation with Kelsey Seybold Clinic and Texas Health-Spring as well as a fellowship program in cooperation with St. Luke's Episcopal Hospital in Houston and a concurrent PGY 1/PGY 2 residency and M.S. in pharmacy administration program with five Texas Medical Center healthcare institutions. Approximately 30 percent of the college's graduating class each year enters pharmacy residency programs.

Admission Requirements

The University of Houston College of Pharmacy admits new Pharm.D. classes only in the fall of each year. The college follows a rolling admission process, so prospective students are encouraged to apply as early as possible. The application deadline is February 15.

The prepharmacy program consists of 57-72 hours of coursework, which may be transferred from a junior/community college or university. Advanced placement in selected courses can reduce the total hours required (e.g. Credit by Examination). All math and science courses must be completed by June prior to the anticipated fall enrollment. Students may apply for admission while in the process of completing the prerequisite requirements. The minimum recommended grade point average (GPA) for consideration is 2.5. A competitive GPA, determined by the overall strength of the applicant pool, is needed to qualify for the required interview process.

Admissions requirements and standards are designed to ensure scholastic success in the professional Pharm.D. curriculum. Selecting a candidate for the future practice of pharmacy involves many important factors, including academic background (particularly in sciences and math), PCAT scores, recommendations, a personal interview, writing proficiency and team building evaluation, and the applicant's community service, honors, awards and extracurricular activities. Pharmacy experience is encouraged.

Other Programs

In addition to the professional degree, the college offers an M.S. degree in Pharmacy Administration, and Ph.D. degrees in Pharmacology, Pharmaceutics, and Pharmacy Administration. The College also offers a combined Pharm.D./Ph.D. in Pharmacology and Pharmaceutics degree program and a combined Pharm.D./M.S. in Pharmacy Administration program. The newest program to be offered is the concurrent M.S. and Residency program in Pharmacy Administration.

For Further Information

To receive more information regarding the College of Pharmacy, or to arrange a college visit, contact:

University of Houston
College of Pharmacy
Office of Admissions
141 Science & Research Bldg 2
Houston, TX 77204-5000
713-743-1239
pharmacyadmissions@uh.edu
<http://pharmacy.uh.edu>

University of the Incarnate Word

Feik School of Pharmacy

Accreditation Status: *Full*
Type of Institution: *Private*
Main Campus: *San Antonio, TX*
Branch Campus(es): *None*
Satellite Program(s): *None*



General Information

The Feik School of Pharmacy envisions itself as a partner in the community of health care educators and practitioners who are patient advocates dedicated to the delivery of superior care and enhancement of the quality of life for all citizens through the development of highly trained, culturally competent, caring pharmacists.

The University is located on what was formerly the estate of noted San Antonio philanthropist, businessman, and civil servant, Col. George W. Brackenridge. The headwaters of the San Antonio River separate the main campus from the newer developments, including the International Conference Center for visiting international dignitaries and students. The city of San Antonio's multi ethnic, multi national flavor has always been a part of the mission of the University. It will continue to be so as the School of Pharmacy continues to come into being.

Although the University was established in 1881 by the Sisters of Charity of the Incarnate Word, the School of Pharmacy is a relatively new entity within the organization with its first professional class beginning in Fall 2006. It occupies newly built, fully equipped facilities particularly focused on student learning, development, and interactions. Establishing a School of Pharmacy fits the University's mission and history, which is founded upon the Sisters of Charity of the Incarnate Word's tradition of providing education and health services to the community. The goal of this program is to provide the San Antonio and South Texas communities with a greater number of trained, professional pharmacists to meet the population's health care needs, particularly the large and growing Hispanic population of the region.

Mission/Vision

The University of the Incarnate Word (UIW), a Catholic institution committed to educational excellence in a context of faith in Jesus Christ, welcomes to its community persons of diverse backgrounds, faiths, and beliefs. The program focuses on a strong foundation in the pharmaceutical sciences, curricular integration, provision of high quality pharmaceutical care, lifelong learning, appropriate use of technology, and opportunities for multicultural and multilingual development. The School promotes full emergence of the student as a practitioner and scholar, and the faculty as fine tuned educators through community and professional service, leadership opportunities, planned development activities, and scholarship.

The Goals of the UIW School of Pharmacy are to:

- Recruit and retain competent faculty who will teach, serve as humanistic and academic role models, publish, and conduct research.
- Recruit, retain, and train qualified, motivated, humanistic, multicultural students for professional practice and leadership roles in pharmacy.
- Promote the establishment of a viable student life that encourages involvement in campus life, the community, and professional organizations and associations at the local and national level.
- Produce pharmacy graduates who embrace the University of the Incarnate Word motto of "The Universe is Yours." by their desire to embrace the global community and become leaders in the clinical sciences, outstanding biomedical researchers, biomedical politicians, or in the delivery of contemporary pharmaceutical care.
- Help advance the undergraduate core science to a level of outstanding quality and support for any student preparing for a career in the biomedical sciences.

- Produce a significant number of students who are conversant in Spanish and capable of rendering basic pharmaceutical care in Spanish.

Consistent with the mission of the University, the School of Pharmacy delivers a contemporary pharmaceutical education program in a multicultural environment. The program prepares students to meet the challenges of today and tomorrow through exposure to excellent classroom and field training experiences that begin prior to admission to the pharmacy program. The concepts of professionalism, the desire and capacity for life long learning, and continuous professional and intellectual growth, and responsibility for humanity will be integrated in all courses and extracurricular activities. To help accomplish this, the school:

- Supports diverse learning styles.
- Promotes integrity and high ethical standards.
- Promotes empathetic attitudes that contribute to the well being of the patient.
- Develops forward-thinking practitioners.
- Fosters principles of leadership relative to the profession, the community, and the nation.
- Forms partnerships with the community to provide pharmaceutical care service to the community.
- Imparts self-education techniques for continued ease of learning.
- Teaches economic conservation.
- Embraces lifestyles that promote whole health—physical, mental, and spiritual.

Curriculum

The goal of the curriculum in the UIW Feik School of Pharmacy is to offer a professional program leading to the Doctor of Pharmacy degree where the graduates are capable of and willing to render pharmaceutical care. It is a four year course of study requiring the completion of a rigorous prepharmacy

Prerequisite Courses

Course	Semester Hours
General Chemistry I & II with Labs.	8
Organic Chemistry I & II with Labs.	8
General Biology with Lab (<i>cellular</i>).	4
Microbiology with Lab	4
Human Anatomy & Physiology I & II with Labs .8	
Pre-calculus	3
Calculus	3
Probability & Statistics.	3
Physics I with lab (<i>calculus-based</i>)	4
English Composition I & II	6
English Literature	3
History	3
Philosophy	3
Fine Arts	3
Social Sciences	3

Statistics for 2009 Entering Class Acceptees

Number interviewed:	248
Number accepted:	157
Estimated entering class size: . . . . .	.99
Estimated male (%):	26%
Estimated female (%):	73%
Estimated out-of-state (%):	8%

Application Process and Requirements

Participates in PharmCAS: Yes
 Deadline for receipt of applications: December 1
 Supplemental application required: Yes
 Supplemental application fee: \$50
 Expected GPA: 2.75
 Minimum overall GPA considered: 2.5
 Minimum prerequisite GPA considered: 2.5
 PCAT required: Yes
 Minimum PCAT scores considered: No minimum
 Oldest PCAT scores considered: 2 years
 Interview required: Yes

program. The curriculum is designed to equip the student to understand many aspects of medicine. The curriculum emphasizes knowledge and practice in the areas of preventive medicine, primary care for the pediatric and adult population, as well as geriatrics. This curriculum will also place emphasis on community involvement, patient advocacy, and advisement for populations that are underserved for a variety of reasons. This curriculum is designed to specifically offer a service to the local population by offering the student an opportunity to become conversant in medical Spanish. Coupled with the diversity of the basic educational requirements, the curriculum should satisfy the goal of producing a graduate whose personal ethics and professional skills allow for full participation and prosperity in the medical community. The integrated course of study provides approximately 37 hours in the pharmaceutical sciences, 11 hours in pharmacy administration, and 106 hours in pharmacy practice and experiential learning.

Admission Requirements

Applicants must complete a pre-pharmacy course of study at any U.S. accredited college or university. The pre-pharmacy curriculum must compare in content and comprehensiveness with the Incarnate Word pre-

pharmacy program. Applicants must have a minimum GPA of 2.5/4.0 in pre-pharmacy course work and 67 semester hours (71 hours for Graduate/professional financial aid). Students who have completed a 4-year degree are encouraged to apply.

The process for admission to the Fall class opens in September and concludes early December. All students, including UIW Prepharmacy students, must apply for admission to the Professional program using the PharmCAS and Feik School of Pharmacy supplemental application.

Applicant must have official transcripts from all colleges attended, undergraduate and graduate, 2 letters of recommendation, official score reports from the Pharmacy College Admission Test (PCAT: Code #099), proof of 80 hours of experience in an approved pharmacy setting, and acceptable TOEFL scores when English is not the primary language. An onsite interview (applicants' expense) is required for persons who are under consideration for admission. A critical thinking assessment and writing sample and will be taken at that time. Review of applicants will begin first business day of February of the application year.

For Further Information

Dr. Carmita A. Coleman
 Assistant Dean for Student Affairs
 Feik School of Pharmacy
 University of the Incarnate Word
 4301 Broadway CPO #99
 San Antonio, TX 78209
 210-883-1000
 cacolema@uiwtx.edu or rxadmissions@uiwtx.edu
 www.uiw.edu/pharmacy

The University of Texas at Austin

College of Pharmacy

Accreditation Status: *Full*

Type of Institution: *Public*

Main Campus: *Austin, TX*

Branch Campus(es): *El Paso, TX; Edinburg, TX; San Antonio, TX*

Satellite Program(s): *None*



General Information

The University of Texas at Austin College of Pharmacy provides education and training to more than 500 professional students and approximately 130 graduate students and post graduate residents and fellows. The college makes its home in a two building complex on the main campus of UT Austin. It also maintains a joint program with the University of Texas Health Science Center at San Antonio and cooperative programs with the University of Texas at El Paso and the University of Texas Pan American in Edinburg. The Pharm.D. program includes expanded and intensified patient care and extramural professional training components of the curriculum, taking advantage of the health care facilities, educational resources and collaborative programs available under the cooperative agreements with other components of the University of Texas System. UT pharmacy students receive quality instruction in the basic pharmaceutical sciences as well as in pharmacy administration and practice. Pharmacy interns expand their professional practice knowledge and skills beside medical, dental and nursing students at clinical education sites in the Austin/Temple/Waco area, El Paso, the Rio Grande Valley, the University of Texas Health Science Center at San Antonio, the University of Texas Southwestern Medical Center in Dallas, the M.D. Anderson Cancer Center in Houston, and the University of Texas Medical Branch in Galveston. The college offers a Pharm.D./Ph.D. for students who show interest in academic and/or research careers.

Mission/Vision

The University of Texas at Austin College of Pharmacy strives to provide exemplary pharmacy education, training and research programs for professional students, graduate students and post graduates by: We will accomplish this by:

- Educating Pharm.D. professional students, M.S./Ph.D. graduate students and post graduate trainees to be leaders in their profession.
- Conducting exceptional basic, translational, clinical, health policy, and health services research.
- Advancing scientific discovery and the health care of patients through innovations in the practice of pharmacy.
- Partnering with pharmacy and other health care communities to provide innovative experiential education and service.
- Advocating for improvement in public health.
- Building a collaborative, diverse environment that values and rewards innovation, productivity and critical thinking.

Curriculum

The college offers a six-year entry-level professional degree program that leads to the Doctor of Pharmacy degree (Pharm.D.) The Pharm.D. is a professional doctoral program that includes a course of study in the pharmaceutical and clinical sciences to provide the state and nation with pharmacists who are scientifically trained and clinically competent to deliver a full spectrum of pharmaceutical services in all areas of practice. The profession of pharmacy is rapidly evolving from a role primarily in medication distribution toward a patient oriented, pharmaceutical care model. Pharmaceutical care involves the process through which a pharmacist interacts with patients and other health care professionals in the design, implementation, and monitoring of a patient-specific plan designed to produce the desired therapeutic outcome. To ensure that UT pharmacy graduates have the necessary tools with which to practice in this complex environment, the curriculum features a discipline-integrated approach to manage disease states, and a case-based team approach to the design of patient-specific therapeutic planning.

Admission Requirements

Students may begin the professional curriculum only after they have been admitted to The University of Texas at Austin and to the professional program in pharmacy. Admission to the professional program is made by the dean of the college at the recommendation of the college's Admission Committee. Admission processes to the university and to the college are separate. Admission to the university in no way implies or guarantees admission to the professional pharmacy curriculum. If the number of eligible applicants for the professional curriculum exceeds the number of available positions, the Admissions Committee makes a final selection with approval by the dean. To be accepted to the professional pharmacy program, applicants must complete at least 60 semester hours of pre-requisite coursework.

The Admissions Committee conducts a holistic review of application materials including an assessment of overall academic achievement as indicated by grade point average and PCAT scores. Emphasis is on grades earned in required pre-pharmacy courses. Work completed at the university and work done elsewhere are evaluated separately. In addition to academic credentials, the committee also considers other factors such as, but not limited to, letters of recommendation, oral and written communication skills, extracurricular involvement, knowledge of the profession, work in health care, community service and leadership, and special life circumstances.

Other Programs

Pharmacy Administration (M.S. / Ph.D.): Pharmacoeconomics, pharmacoepidemiology, prescription drug use, pharmacy management, pharmaceutical pricing, pharmaceutical marketing and industry, drug importation and counterfeit medications, drug regulation, drug policy, managed care

Prerequisite Courses

Course	Semester Hours
Biology 311C - Introductory Biology I	3
Biology 311D - Introductory Biology II	3
Biology 325 - Genetics	3
Chemistry 204 - Introductory Chemical Practice	2
Chemistry 301 - Principles of Chemistry I	3
Chemistry 302 - Principles of Chemistry II	3
English 316K - Literature	3
Rhetoric 306 - Rhetoric and Composition I	3
Math 408C - Calculus with integration	4
Statistics	3
Chemistry 310M - Organic Chemistry I	3
Chemistry 310N - Organic Chemistry II	3
Chemistry 210C - Organic Chemistry Lab	2
Physics 302K - Physics I	3
Physics 102M - Physics I Lab	1
Biology 326M - Introductory Medical Microbiology and Immunology	3
Biology 126L - General Microbiology Lab	1

Statistics for 2009 Entering Class Acceptees

Number interviewed:	257
Number accepted:	153
Estimated entering class size:	125
Estimated male (%):	29%
Estimated female (%):	71%
Estimated out-of-state (%):	3%

Application Process and Requirements

Participates in PharmCAS: No
Deadline for receipt of applications: December 15
Supplemental application required: Yes
Supplemental application fee: \$100
Expected GPA: 3.6
Minimum overall GPA considered: Not reported
Minimum prerequisite GPA considered: 2.5
PCAT required: Yes
Minimum PCAT scores considered: 50th percentile
Oldest PCAT scores considered: 3 years
Interview required: Yes

pharmacy, Medicare and Medicaid drug programs, pharmacy social and behavioral issues and use of complementary alternative medicines.

Pharmacy Practice (M.S. / Ph.D.):

Pharmacoepidemiology, psychiatric pharmacy, outcomes research, specialty residencies combined with M.S. or Ph.D.

Pharmacology / Toxicology (Ph.D.):

Pharmacology, toxicology, neuropharmacology, neurochemical and neurocellular mechanisms of chemical dependency, addiction education, behavioral pharmacology and behavioral neuroscience, mitochondrial diseases, mechanisms of apoptosis, environmental carcinogenesis, breast cancer resistance and metastasis mechanisms, reproductive toxicology, neuroendocrine control of reproduction and endocrine disruption, environmental carcinogenesis, pediatric cancer, diet, obesity and environmental disease.

Pharmaceutics (Ph.D.):

Biopharmaceutics, drug metabolism, industrial pharmaceutics, pharmacokinetics, physical pharmacy, virus and genetics research, drug delivery, materials science, vaccine delivery, and particle engineering.

Medicinal Chemistry (Ph.D.):

Anti-cancer agents, biosynthesis, antibiotic development, enzyme mechanisms, signal transduction.

Pharmacotherapy (M.S. / Ph.D.):

M.S. Program -Pharmacotherapy, oncology, and psychiatry specialty practice residency in conjunction with an M.S.;

Ph.D. Program - Clinical and translational sciences in infectious diseases, oncology and health outcomes.

For Further Information

Office of Admissions, Pharm.D. Program
 University of Texas at Austin
 College of Pharmacy
 2409 University Avenue
 Austin, TX 78712
 512-471-1737
www.bealonghorn.utexas.edu/transfer/admission/majors/pharmacy/pharmd/

The University of Utah

College of Pharmacy

Accreditation Status: *Full*
Type of Institution: *Public*
Main Campus: *Salt Lake City, UT*
Branch Campus(es): *None*
Satellite Program(s): *None*



General Information

The University of Utah College of Pharmacy is advantageously located in the University of Utah Health Sciences Center, providing pharmacy students the opportunity to interact with pharmacists, physicians, nurses and students of other health care professions. The professional degree offered by the University of Utah College of Pharmacy is the doctor of pharmacy (Pharm.D.). The University of Utah College of Pharmacy includes four departments: Medicinal Chemistry, Pharmaceutics and Pharmaceutical Chemistry, Pharmacology and Toxicology, Pharmacotherapy.

All classroom instruction takes place in the Eccles Health Sciences Education Building which houses state of the art classrooms, laboratories, computer facilities, conference rooms, lockers and student lounges.

Situated in the foothills of the Wasatch Mountains, the Health Sciences Center overlooks the University of Utah main campus and the Salt Lake valley. Skaggs Hall is located in the Health Sciences Center, which incorporates the University of Utah Hospital, the School of Medicine, the colleges of Health, Nursing, and Pharmacy, the Eccles Health Sciences Education Building as well as the Eccles Health Sciences Library. The College of Pharmacy has well equipped facilities to train students in all areas of the pharmaceutical sciences and professional practice. State of the art scientific instruments are available for undergraduate and graduate research. Additional adjacent facilities for research and instruction include the Biomedical Polymers Research Building, University Research Park, Poison Control Center, and the University Hospital. Clinical clerkships and fellowships or residencies are available in a variety of professional practice settings.

The student-faculty ratio in all programs is small, so students receive concentrated, individual attention. The faculty, many of

whom are recognized authorities in their areas of specialization, are committed to providing each student with a valuable education experience. Since the college is located within the Health Sciences Center, pharmacy students can interact on a daily basis with students who are training in the other health professions and sciences. Student professional organizations are active on campus and provide students with the opportunity to participate in extracurricular service and social activities.

Mission/Vision

Mission Statement

The University of Utah College of Pharmacy supports the missions of the University of Utah and the University of Utah Health Sciences Center. The Mission of the University of Utah College of Pharmacy is to: 1) advance health care related to optimal medication outcomes through education and training; 2) discover, develop and disseminate new biomedical knowledge and technology; and 3) provide pharmacy based services and outreach activities to the community.

Value Statement

Academic excellence will be pursued in an environment that respects the individual, instills integrity and professionalism, assures ethical behavior, promotes diversity, creates a desire for life long learning, and recognizes the principle of academic freedom.

Curriculum

The University of Utah College of Pharmacy Pharm.D. degree program is a four year course of study which requires completion of the pre pharmacy curriculum prior to enrollment. The pre pharmacy curriculum consists of one academic year of general chemistry with laboratories; one academic year of calculus; one academic year of organic chemistry with laboratories; one academic year of physics (calculus based preferred, laboratories not required); one semester each

of human anatomy, human physiology, microbiology, and a professional writing course. After completion of this course work students may submit an application to the professional program of the College of Pharmacy.

Admission Requirements

Admission is determined by the College of Pharmacy Admissions Committee and is limited to 45–50 students per year. Applicants begin professional course work only in the fall semester of each academic year.

A transfer student from another institution (with or without a prior degree) must:

1. Apply for admission to the University of Utah through the Graduate Admissions Office (www.sa.utah.edu/admiss/apdownload), University of Utah, 201 South 1460 East, Rm. 250S, Salt Lake City, UT 84112-9057.
2. Apply for admission to the University of Utah College of Pharmacy Professional Program (www.pharmacy.utah.edu), submit transcripts of all college work to the College of Pharmacy, Admissions Committee, 30 South 2000 East, Rm. 205, Salt Lake City, UT 84112-5820 by the posted deadline (www.pharmacy.utah.edu). Students using course work from a school not within the State of Utah must submit course descriptions to the Chair of the Admissions Committee for evaluation of equivalency by December 15th.

A student currently attending the University of Utah must:

1. Apply for admission to the University of Utah through the Grade Admissions Office (www.sa.utah.edu/admiss/apdownload/), University of Utah, 201 South 1460 East, Rm. 250S, Salt Lake City, UT 84112-9057.
2. Apply for admission to the University of Utah College of Pharmacy Professional Program (www.pharmacy.utah.edu),

Prerequisite Courses

Course	Semester Hours
General Chemistry with Labs	10
Human Anatomy	4
Human Physiology	4
Calculus	8
Organic Chemistry with Labs	10
Physics	8
Microbiology with Lab	4
Professional/Technical writing	3

Statistics for 2009 Entering Class Acceptees

Number interviewed:	96
Number accepted:	60
Estimated entering class size:	60
Estimated male (%):	51%
Estimated female (%):	49%
Estimated out-of-state (%):	15%

Application Process and Requirements

Participates in PharmCAS: Yes
 Deadline for receipt of applications: January 5
 Supplemental application required: Yes
 Supplemental application fee: \$55
 Expected GPA: 3.5
 Minimum overall GPA considered: 2.75
 Minimum prerequisite GPA considered: 2.75
 PCAT required: Yes
 Minimum PCAT scores considered: 65th percentile
 Oldest PCAT scores considered: Not reported
 Interview required: Yes

submit transcripts of all college work to the College of Pharmacy, Admissions Committee, 30 South 2000 East, Rm. 205, Salt Lake City, UT 84112 5820 by the posted deadline (www.pharmacy.utah.edu).

A student who has previously attended the University of Utah but is not currently enrolled must apply for readmission through the Graduate Admissions Office (www.sa.utah.edu/admiss/appdownload), University of Utah, 201 South 1460 East, Rm. 250S, Salt Lake City, UT 84112-9057.

All students must provide supplementary transcripts to the College of Pharmacy at the address above showing grades in courses completed after the application for admission was submitted. If the student is not currently enrolled at the University of Utah, transcripts reflecting completed course work should also be sent to the University of Utah Admissions Office. Notifications of acceptance or denial will be sent as soon as possible, but final selection may not be completed before April.

For students whose first language is not English the TOEFL iBT must be taken. This test has four components: reading, listening, speaking and writing. A minimum score of 25 must be obtained for the speaking component and a total score of 61 must be obtained

for all sections in order to make an application to the Doctor of Pharmacy Professional Program. Information on the TOEFL iBT can be found at: www.ets.org.

The Pharmacy College Admission Test (PCAT) is required for all applicants. Information regarding the PCAT may be obtained from any university or college's testing center, the University of Utah Testing Center, 201 South 1460 East, Rm. 450S, Salt Lake City, UT 84112 9057, 801 581 8744, or the Psychological Corporation, 555 Academic Court, San Antonio, TX 78204, 800 622 3231.

Other Programs

Educational degree programs offered by the College include:

- Doctor of Pharmacy Degree (Pharm.D.)
- Medicinal Chemistry (Ph.D.)
- Pharmacotherapy (M.S., Ph.D.)
- Pharmaceuticals and Pharmaceutical Chemistry (Ph.D.)
- Pharmacology and Toxicology (Ph.D.)

An option to pursue the Pharm.D. degree and Ph.D. degree in parallel is also available for students interested in career opportunities related to both pharmacy practice and research. Information about the Pharm.D.

program is available from the Office of Student Affairs and information about the Ph.D. degree in each discipline is available from that academic department. In addition, several post-graduate educational opportunities are provided, such as residencies and fellowship programs.

For Further Information

The Student Affairs Office
 University of Utah College of Pharmacy
 205 Skaggs Hall
 Salt Lake City, UT 84112
 801-581-5384
www.pharmacy.utah.edu

Hampton University

School of Pharmacy

Accreditation Status: *Full*
Type of Institution: *Private*
Main Campus: *Hampton, VA*
Branch Campus(es): *None*
Satellite Program(s): *None*



General Information

Nestled on the banks of the Hampton River in Hampton, Virginia, Hampton University is a private, nonsectarian, coeducational institution of higher education. Founded in 1868 as an institute to train African and Native Americans, Hampton University is committed to multiculturalism. The University is dedicated to the promotion of learning, building character, and preparation of promising students for leadership and service regardless of nationality, cultural or economic background. Its curricular emphasis is scientific and professional with a strong liberal arts under girding. In carrying out its mission, the University requires that everything that it does be of the highest quality.

The University operates from an exceptional education base and a sound financial philosophy. The University is comprised of three colleges and seven schools. Approximately 6,500 students representing all 50 states and 35 territories and nations matriculate. Many students live on the 204-acre landscaped campus. More than 80 campus organizations and numerous activities make campus life diverse, exciting and rewarding.

Mission/Vision

The mission of the School of Pharmacy is to provide contemporary pharmaceutical education that produces highly skilled pharmacists who deliver quality pharmaceutical care to the people of Virginia and the nation. The program focuses on a strong foundation in the pharmaceutical sciences, curricular integration, provision of high quality pharmaceutical care, lifelong learning, appropriate use of technology, and a vigorous research program. The School promotes and encourages the scholarly and professional development of students, faculty, and staff in a multicultural environment.

Curriculum

The School of Pharmacy offers an innovative entry-level professional program leading to the Doctor of Pharmacy (Pharm.D.) Degree based on the premise that the ultimate goal of pharmacy is to render pharmaceutical care. The curriculum emphasizes knowledge and practice in the areas of preventive medicine, primary care for the adult, pediatric and geriatric populations. The curriculum also provides for growing sectors of medicine such as long term care, home health care, and hospice care. Clinical training sites for pharmacy students are established in both traditional and non traditional sites, including medically underserved communities. Coupled with the diversity of the basic educational requirements, the curriculum should satisfy the goal of producing a graduate whose personal ethics and professional skills allow for full participation and prosperity in the medical community.

Admission Requirements

Students may apply for admission into the pre-pharmacy program directly from high school and must complete two years of pre-requisite coursework. High school graduates are required to have a minimum GPA of 3.0 and at least 1000 on the SAT (verbal and math combined only). Such students would have to compete for admission into the School of Pharmacy, after they have completed the pre-requisite courses. The PCAT and a GPA of 2.75 are required to be guaranteed an interview for possible progression from the pre-pharmacy program into the professional level.

Applicants to the professional school may complete the prerequisite courses at another accredited institution, transfer into the professional program and complete four years of study leading to the Doctor of Pharmacy degree. The content and comprehensiveness of the prerequisite courses must be comparable to the pre-pharmacy courses offered at

Hampton University. To be considered for admission, a transfer student must have a minimum overall GPA of 2.75. In addition, a recent PCAT (taken after June 2005), an on-site interview and a high degree of professionalism are required for admission into the professional school.

For Further Information

Corinne Ramaley, M.S.
Assistant Dean of Academic and Student Affairs
Hampton University
School of Pharmacy
Hampton, VA 23668
757-727-5071
Corinne.Ramaley@hamptonu.edu
<http://pharm.hamptonu.edu>

Prerequisite Courses

Course	Semester Hours
General Chemistry I & II with Labs.	8
Organic Chemistry I & II with Labs.	8
Physics I & II with Labs.	10
General Biology I & II with Labs.	8
Pre-Calculus.	3
Calculus	3
English I & II.	6
History I & II.	6
Humanities I & II (<i>foreign language, art, religion, philosophy, literature, anthropology, and music</i>)	6
Oral Communication	3
Social Science (<i>psychology, sociology, political science, geography, or economics</i>).	3
Physical Education	2

Statistics for 2009 Entering Class Acceptees

Number interviewed:	152
Number accepted:	65
Estimated entering class size:	65
Estimated male (%):	51%
Estimated female (%):	49%
Estimated out-of-state (%):	49%

Application Process and Requirements

Participates in PharmCAS: *No*
 Deadline for receipt of applications: *February 1*
 Supplemental application required: *No*
 Supplemental application fee: *Not applicable*
 Expected GPA: *Not reported*
 Minimum overall GPA considered: *2.75*
 Minimum prerequisite GPA considered: *Not reported*
 PCAT required: *Yes*
 Minimum PCAT scores considered: *Not reported*
 Oldest PCAT scores considered: *3 years*
 Interview required: *Yes*



Shenandoah University

Bernard J. Dunn School of Pharmacy

Accreditation Status: *Full*
Type of Institution: *Private*
Main Campus: *Winchester, VA*
Branch Campus(es): *None*
Satellite Program(s): *Ashburn, VA*



General Information

Founded in 1875, Shenandoah University is a private institution in historic Winchester, VA, a city that enjoys the beautiful backdrop of the Shenandoah Valley and is located only 70 miles west of Washington, DC. The Bernard J. Dunn School of Pharmacy opened in 1996 and its first graduating class members were conferred the Doctor of Pharmacy degree in May 2000. The School of Pharmacy was accredited by the American Council on Pharmaceutical Education in June 2000 and again in January 2006.

Seventy five students are admitted each year into the four year professional Pharm.D. program located in Winchester. An additional 35 are admitted to the same program located in Ashburn, VA on the campus of The George Washington University. Students may elect to apply for the SU pre admit program that allows pre pharmacy students to complete all prerequisite courses in two years. Acceptance into the Pharm.D. program is not guaranteed for these students; however, pre admit students receive close monitoring and advising during their two year pre pharmacy program. Admission to the Pharm.D. program is competitive and based on published admissions criteria. The student to faculty ratio is 11 to 1.

The School of Pharmacy is housed in the Health Professions Building (HPB) located on the Winchester Medical Center campus. The HPB is designed with large multimedia classrooms and numerous smaller classrooms and labs for demonstrations, problem solving exercises, and patient simulations. The school is one of the most technologically advanced schools of pharmacy in the United States: the building is equipped with video conferencing equipment, Ethernet wireless technology, and data ports in the computer lab and throughout the building. Students use laptop computers and have access to lecture content and a multitude of drug information and reference databases 24 hours a day, both on campus and at home.

Limited dormitory space is available on the SU undergraduate campus. Most students, however, choose to live in apartments located near the medical campus.

Students will receive their clinical training in various settings throughout the region. These settings will feature opportunities in clinical pharmacy, ambulatory care, home infusion therapy, managed care, general hospital pharmacy, community/chain pharmacy, drug information, research and several other areas within the field of pharmacy. The school also offers students an opportunity to earn a joint Pharm.D./MBA (Masters of Business Administration) degree for students interested in management and leadership positions that require both patient care and management skills.

Mission/Vision

To stimulate excellence, innovation, and collaboration in a professional environment that fosters the development of lifelong learners committed to advancing pharmacy's role in health care and serving the community with integrity and compassion.

Curriculum

The Doctor of Pharmacy curriculum has been developed to prepare graduates to deliver pharmaceutical care in a variety of settings. The instructional program is student centered, competency-based and includes significant critical thinking and problem solving exercises, case studies, and small group instruction. The program has been crafted to:

- Promote early interactions between students and patients.
- Prepare students for the challenges of practicing in the next millennium by infusing technology throughout the curriculum.
- Ensure the attainment of certain skills referred to collectively as The Shenandoah Twelve.

- Deliver integrated instruction using various disease states as focal points for presenting modules of material.

Admission Requirements

Admission consideration for the Doctor of Pharmacy program at Shenandoah University requires an evaluation of the following selection criteria:

- Academic performance in pre-pharmacy courses completed at an accredited college or university.
- Personal interview at the school of pharmacy to evaluate the applicant's communication skills and commitment to the rigors of the professional requirements of pharmacy.
- Three letters of recommendation.
- Satisfactory completion of the Pharmacy College Admissions Test (PCAT).
- Technical requirements such as official transcripts, medical forms, and other needed documentation.

Students are evaluated and admitted on a rolling admissions basis for the classes beginning in the fall of each academic year. The admissions deadline is February 1 for all applications and supporting letters and prerequisite documentation. Shenandoah University is a private university and students compete for enrollment without regard to home state, sex, race, religion, creed, color or national origin. All students are required to participate in a criminal background checks and random drug screening if requested.

For Further Information

Ms. Amanda Keach
Shenandoah University
Bernard J. Dunn School of Pharmacy
1460 University Drive
Winchester, VA 22601
540-678-4340 or 888-420-7877
akeach@su.edu or pharmd@su.edu
<http://pharmacy.su.edu>

Prerequisite Courses

Course	Semester Hours
English 101	3
English 102	3
General Chemistry I with Lab	4
General Chemistry II with Lab	4
General Biology I with Lab	4
General Biology II with Lab	4
Mathematics	3
Calculus	3
Philosophy/Religion or Ethics	3
Humanities	3
Organic Chemistry I with Lab	4
Organic Chemistry II with Lab	4
Physics I with Lab	4
Microbiology with Lab	4
Biological Science elective	3
Economics	3
Public Speaking	3
Social/Behavioral Science	6

Statistics for 2009 Entering Class Acceptees

Number interviewed:	223
Number accepted:	208
Estimated entering class size:	72
Estimated male (%):	56%
Estimated female (%):	44%
Estimated out-of-state (%):	72%

Application Process and Requirements

Participates in PharmCAS: Yes
 Deadline for receipt of applications: February 1
 Supplemental application required: Yes
 Supplemental application fee: \$30
 Expected GPA: 3.4
 Minimum overall GPA considered: 2.8
 Minimum prerequisite GPA considered: 2.8
 PCAT required: Yes
 Minimum PCAT scores considered: 60th percentile
 Oldest PCAT scores considered: 3 years
 Interview required: Yes

Appalachian College of Pharmacy

Accreditation Status: *Full*
Type of Institution: *Private*
Main Campus: *Oakwood, VA*
Branch Campus(es): *None*
Satellite Program(s): *None*



General Information

The Appalachian College of Pharmacy (ACP), in Oakwood, Virginia, is situated in the ancient, majestic Appalachian Mountains of Southwest Virginia. ACP offers Virginia's only three year accelerated Doctor of Pharmacy (Pharm.D.) program. Established in 2003, the College enrolled its first class in August, 2005. The College graduated its third class in May, 2010. ACP has recently completed construction of a new 32,000 square foot academic facility, allowing it to consolidate operations on one unified campus in Oakwood. The new facility has two lecture halls, small group classrooms, a multipurpose classroom, conference room, student organization office, faculty offices, and faculty research laboratory facilities. Future plans include the creation of a simulated patient room and a model pharmacy. The College obtained full accreditation with ACPE in January, 2010, and is pursuing full accreditation with the Southern Association of Colleges and Schools (SACS).

ACP students participate in a variety of student organizations and activities. Student government and student chapters of professional pharmacy organizations (APhA ASP, ASHP and NCPA) are active on campus, attend national meetings and compete in school, state, and national student competitions. Phi Delta Chi and Kappa Psi, professional pharmaceutical fraternities, are chartered and active on campus, as well as the pharmacy honor society Rho Chi. The Fellowship of Christian Pharmacists was organized in 2009, raising the number of official student organizations to eight. All ACP students must complete 150 hours of community service as part of the Pharmacists in Community Service (PICS) Program.

Mission/Vision

Vision Statement

The Appalachian College of Pharmacy (the College), through quality and innovative

education, service and scholarship, will improve the general health and well being of the residents of rural or underserved populations, particularly vulnerable populations within Central Appalachia. The College will educate pharmacists to embrace knowledge and technology to optimize pharmacist delivered patient care and health outcomes in an interdisciplinary health care environment. The College will collaborate with stakeholders to develop centers of excellence to address identified needs in rural health.

Mission Statement

The Appalachian College of Pharmacy, a college of higher education conferring the Doctor of Pharmacy degree, provides academic, scientific, and professional pharmacy education to address the health related needs of rural and underserved communities, particularly those in Appalachia, through education, service, and scholarship. The philosophy of the College is to cultivate a learning community committed to education, community outreach, and the professional development of pharmacists.

Curriculum

The curriculum is a 3 year course of study divided into eight trimesters of approximately 14 weeks length each. An average day in the classroom is 6 hours. The curriculum provides a balance of biomedical sciences, pharmaceutical sciences, behavioral, social and administrative sciences, pharmacy practice and pharmacy practice experience. ACP values the education that is acquired in the experiential portion of the curriculum and exposure to varied pharmacy practices begins early in the first year of education. The end result is a program that prepares competent pharmacists to serve in the varied settings that the profession is engaged, and to develop the critical thinking and lifelong learning skills and desires that will serve a professional throughout his or her career.

Students at ACP, in addition to completing

rigorous course work, participate in Pharmacists in Community Service program (PICS). Each student must complete 150 hours of community service over three years to meet graduation requirements. Students must complete a minimum of 50 hours of community service in the each of the first two years of the program. At least half of the service time must be in a health related activity, again emphasizing the important role that pharmacists have in community leadership and in assuring broader community health and well being. Students are required to document their hours spent participating in PICS activities, write reflective essays about each experience on the PICS form and obtain approval of their project from the PICS Director for their hours.

Admission Requirements

ACP seeks to attract a diverse student population with demonstrated academic competency and commitment to the profession of pharmacy and to service to medically underserved communities, particularly Central Appalachia. In doing so, it follows standard policies and procedures for obtaining, selecting, and admitting applicants in a timely fashion.

Applicants must have completed or be on track to complete all required prerequisite courses prior to admission; additionally one must have an acceptable score on the Pharmacy College Admissions Tests (PCAT), an acceptable cumulative and science GPA, and an acceptable on site interview. Applications are processed through the Pharmacy College Admissions Service (PharmCAS). Students complete the online application according to the directions, submit required application fees, and have all academic transcripts and PCAT scores forwarded to PharmCAS. A supplemental application and fee are also required. ACP has adopted a rolling admissions process, so that after all required information and fees have been submitted, applicants will be screened and required on

Prerequisite Courses

Course	Semester Hours
General Biology with lab	8
College Chemistry with lab	8
Organic Chemistry with lab	8
College Physics with lab	8
Human Anatomy	3
Human Physiology	3
General Microbiology	3
English Composition	6
College Mathematics (include a minimum of 3 semester hours of calculus)	6
Public Speaking	3
College Statistics	3
Humanities (see website at www.acpharm.org)	10

Statistics for 2009 Entering Class Acceptees

Number interviewed:	216
Number accepted:	136
Estimated entering class size:	71
Estimated male (%):	49%
Estimated female (%):	51%
Estimated out-of-state (%):	65%

Application Process and Requirements

Participates in PharmCAS: Yes
 Deadline for receipt of applications: March 1
 Supplemental application required: Yes
 Supplemental application fee: \$100
 Expected GPA: 3.2
 Minimum overall GPA considered: 2.5
 Minimum prerequisite GPA considered: 2.5
 PCAT required: Yes
 Minimum PCAT scores considered: 50th percentile
 Oldest PCAT scores considered: 3 years
 Interview required: Yes

campus interviews scheduled for selected applicants; following the interview, the admission committee will offer admission to chosen candidates. Applicants who are from Central Appalachia or who express desire to serve medically underserved populations are given additional consideration. During the interview, the panel will evaluate the applicant's communication skills, as well as the knowledge, empathy, aptitude and personal mission congruency with that of the College. The deadline for receipt of all applications is the first Monday in March annually. Applications postmarked after that deadline will not be considered. Applicants may choose to reapply through PharmCAS for the following year.

ACP does not discriminate on the basis of age, race, color, national origin, religion, disability, marital status, gender, or sexual orientation.

Students are only admitted for the fall semester.

Work experience is not required for admission to ACP, although it is strongly advised that applicants have exposure to the profession through employment, shadowing, or volunteer work.

Academic Requirements for Admission

To be eligible for admission to the ACP Doctor of Pharmacy program, applicants must meet the following criteria:

1. Complete the minimum prescribed 69 semester credit hours of pre-pharmacy courses, within 5 calendar years of application and no later than June 1 of the year of enrollment, from an accredited college or university in the United States.
2. Achieve a minimum cumulative grade point average and a minimum science GPA of 2.5/4.0 or its equivalent in order to have their applications considered for admission.
3. Have a grade of "C" (or its equivalent) or better in all prerequisite courses.

All applicants that meet the minimum criteria will have their files evaluated. The file evaluation process will be competitive and the most qualified applicants will be invited for an on-campus interview.

Applicants who have completed any of the core prerequisites from non-U.S.-accredited institutions must submit transcript evaluations from either World Educational Services or Josef Silny & Associates. Applicants submitting coursework from non-English speaking foreign schools who have not earned a

"B" or better in the English Composition and Speech prerequisites must achieve a score of at least 550 on the paper-based or 213 on the computer-based Test of English as a Foreign Language (TOEFL), and must submit these scores with their applications. Applicants may not disregard any part of their college-level educational history. An applicant who fails to report all institutions attended will forfeit his/her eligibility for admission to ACP or will be dismissed. All credentials submitted for admission to ACP will not be returned or released to the applicant.

Applicants must complete all prerequisites to be eligible for admission to the Doctor of Pharmacy program.

For Further Information

Ms. Vickie Keene, Director of Admissions
 Appalachian College of Pharmacy
 1060 Dragon Road
 Oakwood, VA 24631
 www.acpharm.org

Virginia Commonwealth University

School of Pharmacy



Accreditation Status: *Full*
Type of Institution: *Public*
Main Campus: *Richmond, VA*
Branch Campus(es): *None*
Satellite Program(s): *Fairfax, VA*

General Information

The School of Pharmacy at Virginia Commonwealth University was established in 1898. The School presently offers curricula leading to the doctor of pharmacy, master of science and doctor of philosophy degrees. The school is located on the University's Medical College of Virginia campus (MCV), which is a health science center. Other schools on the MCV campus include medicine, dentistry, nursing, allied health professions, and the emerging school of public health. The School is housed in the Robert Blackwell Smith Building. The School's clinical programs utilize the facilities of the VCU Health System, McGuire Veteran's Administration Medical Center, and other hospitals and community pharmacies located throughout the state.

Professional pharmacy organizations and pharmacy fraternities serve as vehicles for student involvement in a variety of professional and service related activities. Student centers on both campuses provide students at Virginia Commonwealth University with a variety of recreational opportunities. The Richmond area provides many cultural and historic attractions. The MCV campus is located in downtown Richmond within walking distance of many points of interest. The Richmond Coliseum, which hosts both sporting events and concerts, is located one block from the campus.

The University has sufficient dormitory space on the medical college campus to accommodate most students. Richmond has a large number of apartments available for those who prefer off campus housing.

Mission/Vision

The Mission of Virginia Commonwealth University School of Pharmacy is to educate, create knowledge, and provide service for our students, the pharmacy profession, and the public. The School accomplishes this by: (1) creating a culture that fosters excellence in

pharmacy education, research and service; (2) creating innovative curricula and experiences that produce pharmacists who are essential providers of healthcare; (3) educating scientists to become innovators and leaders within their disciplines; (4) recruiting and retaining quality faculty, staff and students; (5) establishing partnerships, collaborations and strategic alliances to advance our mission; and, (6) ensuring adequate resources to create a successful environment that supports the mission.

Curriculum

The primary objective of the program is to provide an education which prepares the student to enter one of several areas of pharmacy practice and also prepares the student to participate in community life as an informed, concerned citizen. The program is thus designed to provide both a sound scientific background and a broad exposure to the arts and humanities.

The educational program leading to the doctor of pharmacy degree begins with a three-year prepharmacy phase which may be taken at any accredited college or university. This phase includes science courses which are prerequisite to later courses in the health sciences, as well as courses in the humanities, liberal arts and social sciences. The curriculum within the School of Pharmacy consists of six semesters of classroom and laboratory coursework in the basic biomedical sciences, the pharmaceutical sciences and in the managerial and behavioral sciences as they relate to pharmacy practice. The final year consists of eight clerkships each lasting five weeks in which the student practices pharmacy under the supervision of carefully selected preceptors throughout Virginia and the nation.

Twenty students will complete their third and fourth year of study on the Inova Health System campus in Fairfax, Virginia along with a complement of 24 medical students from the VCU School of Medicine. Students

will receive the same didactic material as students at the MCV campus through the use of technology. A full complement of pharmacy faculty, administrators and staff is located on the Inova Health System campus.

Admission Requirements

Applicants for admission to the Doctor of Pharmacy program must attend an accredited college for three academic years prior to admission and complete a prepharmacy program consisting of at least 90 semester hours of required and elective coursework. Applicants must have a satisfactory grade-point average in coursework submitted in fulfillment of prepharmacy requirements.

Applicants must submit an electronic application via PharmCAS and take the Pharmacy College Admission Test. An interview is required and the Admissions Committee may request statements attesting to the applicant's good moral character from pharmacists, physicians, or former teachers.

The Admissions Committee bases its selections on a number of factors including the applicant's demonstrated academic and communication skills, motivation, personal qualities and comprehension of the pharmacy profession.

Other Programs

The VCU School of Pharmacy offers a combined degree program option for highly motivated and qualified pharmacy students who are interested in research in the Pharmaceutical Sciences or who want to obtain additional business or public health experience. This program takes advantage of efficiencies in both the professional and graduate programs while maintaining sufficient rigor, scope and depth. Currently the following combined degrees are offered jointly with the VCU School of Medicine, VCU School of Business and VCU Graduate School:

Prerequisite Courses

Course	Semester Hours
English	6
College Chemistry	8
Organic Chemistry	8
General Biology.	8
Physics	4
Human Anatomy.	3
Human Physiology.	3
Microbiology	3
Biochemistry.	3
Calculus	3
Statistics	3
Public Speaking.	3
Elective Courses (including optional biomedical science courses).	35

Statistics for 2010 Entering Class Acceptees

Number interviewed.	250
Number accepted	130
Estimated entering class size	NR
Estimated male (%)	NR
Estimated female (%)	NR
Estimated out-of-state (%)	NR

Application Process and Requirements

Participates in PharmCAS: *Yes*
 Deadline for receipt of applications: *March 1*
 Supplemental application required: *No*
 Supplemental application fee: *Not applicable*
 Expected GPA: *3.4*
 Minimum overall GPA considered: *Not reported*
 Minimum prerequisite GPA considered: *Not reported*
 PCAT required: *Yes*
 Minimum PCAT scores considered: *Not reported*
 Oldest PCAT scores considered: *3 years*
 Interview required: *Yes*

- Pharm.D./Ph.D.
- Pharm.D./M.S.
- Pharm.D./MBA
- Pharm.D./M.P.H.
- Pharm.D./Certificate in Aging Studies

In addition, the Pharmaceutical Sciences Graduate Program offers the Ph.D. and M.S. degree in Medicinal Chemistry, Pharmaceutics, Pharmacotherapy, and Pharmacoeconomics & Health Outcomes concentrations.

For Further Information

Thomas P. Reinders, Pharm.D.
 Associate Dean of Admissions
 Virginia Commonwealth University
 School of Pharmacy
 Richmond, VA 23298-0581
 804-828-3000
 www.pharmacy.vcu.edu

University of Washington

School of Pharmacy

Accreditation Status: *Full*
Type of Institution: *Public*
Main Campus: *Seattle, WA*
Branch Campus(es): *None*
Satellite Program(s): *None*



SCHOOL OF PHARMACY
UNIVERSITY of WASHINGTON

General Information

The University of Washington School of Pharmacy is proud of its strong commitment to excellence and the recognition given to its faculty, students and graduates for their outstanding educational, research and service activities. The School is a member of the American Association of Colleges of Pharmacy, and its programs are accredited by the Accreditation Council for Pharmacy Education.

The School of Pharmacy is part of the Magnuson Health Sciences Center, which includes the Schools of Medicine, Dentistry, Social Work, Nursing, and Public Health and Community Medicine, as well as the University of Washington Medical Center, Harborview Medical Center, five interdisciplinary research centers and the Seattle Cancer Care Alliance. The School also contributes to interdisciplinary training programs in the Pharmacological Sciences, Biomolecular Structure and Design, Public Health Genetics, the Center for Health Sciences Interprofessional Education, the Center for Nanotechnology and the Graduate Program in Biomedical and Health Informatics. The School's location in the Seattle metropolitan area offers students a wide variety of choices for clinical rotations. Students also appreciate the diverse academic, cultural and recreational opportunities associated with the University of Washington, Seattle and the Pacific Northwest region.

Mission/Vision

School Vision

To be recognized nationally and internationally as a leader in pharmacy education, research and service that partners effectively with others to promote the discovery, development and appropriate use of medications for the welfare and safety of the public.

Mission Statement

We educate professional pharmacists who work in partnership with other health profes-

sionals to provide accessible, compassionate, and integrative pharmaceutical care with the goal of enhancing the quality of life through improved patient care.

We develop scientific leaders to carry out basic and translational biomedical research, to think critically and make informed decisions at preclinical, clinical and post approval stages of drug discovery and development, and to integrate knowledge in the pharmaceutical sciences, health policy and economics.

We serve the community as committed and compassionate leaders in the use of our knowledge and discoveries to help develop and disseminate solutions to complex health-care problems and promote the health and well being of regional, national and global populations.

Curriculum

The School of Pharmacy offers a four year program leading to the Doctor of Pharmacy degree. The curriculum is designed to provide students with the scientific background and clinical skills necessary to take the North American Pharmacist Licensure Examination (NAPLEX) and to enter professional practice. The limited class enrollment allows for individualized attention from instructors while still enjoying the benefits of attending a large university. Instructional methods emphasize the critical thinking and problem solving and clinical skills necessary to provide rational drug therapy, reduce medication related problems, promote healthy lifestyles and disease prevention, optimize health outcomes, enhance patient adherence and render care in a changing health care system. The School aspires to foster a commitment to life long learning and provide an environment where students develop the knowledge, attitudes and skills consistent with the profession's high standards.

Students are given the opportunity to explore individual areas of interest by choosing

among the many professional elective options offered at the University of Washington. Dual degree options include the Pharm.D./Ph.D. Programs in Pharmaceutics and Medicinal Chemistry, the Pharm.D./M.S. program in Pharmaceutical Outcomes, Research and Policy Students, the Professional M.S. in Biomedical Regulatory Affairs, and the Pharm.D./Physician Assistant Program. Students also have the option of earning certificates concurrently with their degree. Examples include the Geriatric Certificate in Pharmacy Practice and the Biomedical Regulatory Affairs Certificate.

Admission Requirements

Offers of admission are contingent upon the successful completion of all prerequisites, eligibility to obtain a Washington State Pharmacy Intern Certificate, and satisfactory review of the Conviction/Criminal History Information Form and results from the Criminal Background Check. Prerequisite courses may be taken at any college or university with the appropriate curricular offerings, with the exception of biochemistry which must be taken at a four-year college or university. All prerequisite coursework must be completed by the end of Spring term prior to program entry. Course descriptions must meet the standards established by the Admissions Committee.

Applicants who have completed science and mathematics pre-requisite coursework within the last five years will be given preference in the process of screening for interview. Applications will be individually evaluated, however, applicants with science and mathematics coursework older than five years are generally advised to retake these courses. All transcripts from coursework completed at foreign colleges or universities must be translated and evaluated course-by-course by one of the following certified agencies, World (WES) Educational Services, Educational Credential Evaluations (ECE) or Educational Perspectives. These transcripts are required

Prerequisite Courses

Course	Quarter Hours	Semester Hours
General Biology with Labs	15	8
Microbiology with Lab	5	4
Biochemistry	6	4
General Chemistry with Labs	15	8
Organic Chemistry with Labs	15	8
Calculus	5	3
Statistics	5	3
English Composition	10	6
Microeconomics	5	3
Interpersonal Communications/ Public Speaking	5	4
Social Science Electives	5	3
Humanities Electives	5	3

Statistics for 2009 Entering Class Acceptees

Number interviewed	142
Number accepted	107
Estimated entering class size	81
Estimated male (%)	30%
Estimated female (%)	70%
Estimated out-of-state (%)	26%

Application Process and Requirements

Participates in PharmCAS: Yes
Deadline for receipt of applications: January 5
Supplemental application required: Yes
Supplemental application fee: \$45
Expected GPA: 3.0
Minimum overall GPA considered: 2.8
Minimum prerequisite GPA considered: 2.8
PCAT required: Yes
Minimum PCAT scores considered: 60th percentile (Chemistry); 25th percentile (All other sections)
Oldest PCAT scores considered: January 2009
Interview required: Yes

even if the coursework does not apply toward the pre-pharmacy requirements. All prerequisite coursework must be completed in the United States.

On average, over 70% of applicants admitted to the Pharm.D. Program have earned a prior Bachelor's degree or higher. Although not required, applicants who have earned a prior Bachelor's degree or higher may be given preference for offer of admission.

Applicants with a minimum prerequisite grade point average (grades in all prerequisite courses except the humanities and social science courses) below 3.0 are not generally considered competitive. Although there is no established minimum Cumulative GPA for consideration of offer of interview, applicants with a Cumulative GPA below 3.0 are not generally considered competitive. Applicants who meet or exceed GPA minimums are not guaranteed an interview. Offers of interview are dependent upon the size and competitiveness of the applicant pool.

Please note: The University of Washington School of Pharmacy has added new prerequisites for Fall 2011. Please check our website for the most updated information.

Applicants to the UW Pharm.D. Program must take the Pharmacy College Admission Test (PCAT) within two years of application to the program. The School of Pharmacy will not accept any other admission test (e.g. MCAT, GRE, etc.) in place of the PCAT.

Applicants to the UW School of Pharmacy must complete BOTH an on-line PharmCAS Application (www.pharmcas.org) and submit a Supplemental Application to the UW School of Pharmacy Office of Academic and Student Programs). All application materials must be received by January 5, 2011. Admission is competitive and is based on a number of factors including cumulative and pre-requisite grade point averages, academic and degree history, PCAT scores, on-site pre-interview essay, oral, written and interpersonal communication skills, critical-thinking ability and decision-making skills, interview results, and all application materials. Applicants offered admission must complete a self-disclosure Criminal History Information Form and submit their names for a criminal background check.

Other Programs

In addition to the Pharm.D. program, the University of Washington School of Pharmacy has recently introduced a concurrent

Pharm.D./Ph.D. program. This concurrent degree program is intended for outstanding students who are committed to earning the Pharm.D. and a Ph.D. degree in either Pharmaceutics or Medicinal Chemistry. Scholarships will be available to outstanding students. The students are equipped to enter academic careers that require competence in both teaching and research. Graduates of this program will possess the breadth and depth of knowledge necessary to work with colleagues across multiple disciplines essential to performing integrated and translational medical and pharmaceutical research.

For more information on the Pharm.D./Ph.D. Concurrent Degree Program, please visit the website: <http://depts.washington.edu/soprin/pharmdphd/index.html>

For Further Information

Office of Academic and Student Programs
 School of Pharmacy
 University of Washington
 Box 357631
 Seattle, WA 98195-7631
 206-543-6100
pharminf@u.washington.edu
<http://sop.washington.edu/>

Washington State University

College of Pharmacy

Accreditation Status: *Full*

Type of Institution: *Public*

Main Campus: *Pullman, WA*

Branch Campus(es): *Spokane, WA (for ExMet program)*

Satellite Program(s): *None*



General Information

The Washington State University Doctor of Pharmacy (Pharm.D.) program involves a seven year commitment, consisting of at least three pre pharmacy years, and four professional years. The first and second professional years of the Pharm.D. program are located on the university's main campus in Pullman, which is a residential campus. The third and fourth years are based at university's Spokane Riverpoint campus, which is 75 miles north of Pullman where the university atmosphere is more urban. In their fourth year, students do a series of six week rotations working alongside faculty members at various experiential sites in Spokane, Yakima, Tri Cities, or Vancouver, or at other locations in Washington state or internationally.

The Pullman campus is rich with educational and social activities. It has excellent libraries, museums, and classrooms. It ranks near the top in the nation for being "wired" and having the latest technology. It boasts a 160,000 square foot student recreation center, complete with 17,000 square foot weight training and cardio center, indoor running track, lap and leisure swimming pools, play courts for basketball, volleyball, roller hockey, racquetball and soccer, personal trainers, health and wellness services, lounge areas with games and a snack bar. The campus also has a performing arts coliseum, an 18 hole golf course, 16 all weather tennis courts, comfortable study areas, and a student health and wellness center on site. Films, concerts, dramatic presentations and PAC-10 athletics are regular features of academic life at WSU. A great number of different student clubs and organizations are active on campus.

Life for pharmacy students centers around WSU and the College of Pharmacy. Each year, a new group of approximately 94 students enters the college, and for the next three years the students attend all the same classes and many of the same college social and educational functions. In Pullman's Wegner

Hall pharmacy students can find their student lounge and computer lab, as well as faculty offices and classrooms. The building also is the home of the College's Office of Student Services, the Dean's Office, and faculty research laboratories. Students have the opportunity from their first day of school to join any of several pharmacy student organizations.

The entire college is small enough, with about 375 students attending each year, to permit students and faculty to get to know each other personally. Faculty are nationally and internationally known for their work in many areas, including diabetes, pharmacy economics, cancer research, geriatric pharmaceutical care, neuropharmacology, new drug information, and innovative teaching methods. Students have the opportunity to attend national conventions and conferences and to conduct research. Pharmacy alumni are actively involved with the college and available to mentor students.

Mission/Vision

To advance human health through world class research and the education of students in patient and pharmaceutical care, the pharmaceutical and biomedical sciences, and health policy and administration.

This will be accomplished through:

- a student centered educational philosophy that promotes life long intellectual growth and learning;
- the provision of pharmaceutical care designed to improve an individual's quality of life and the overall public health through both prevention and treatment;
- nurturing an exceptional environment for research, scholarship, innovative practice and professional and graduate education; and
- creating an environment of trust and respect in all that we do.

This vision of the College of Pharmacy is to be the preeminent college of pharmacy that

provides world class leadership in the quality of the student educational experience and faculty scholarship.

History

On February 19, 1892, the Board of Regents of Washington Agricultural College and School of Science approved a course of study for a program in pharmacy. The catalog gave the following description of the pharmacy program, "Students in this course will be required to take laboratory work in toxicology and various other chemical and physical manipulations, such as weighing, measuring, distilling, evaporating, filtering and making pharmaceutical preparations." Several years later, a University committee cautioned that the new program in pharmacy should not be started unless "not less than \$400 can be set apart for use for the first year" and "that suitable room can be set apart to be used as a pharmaceutical laboratory." Students were not officially enrolled in the pharmacy program until the fall of 1896, and 4 students completed the two year course of study in 1898 to become the first graduates in pharmacy at Washington State University.

The College of Pharmacy's graduate program in Pharmaceutical Sciences began awarding graduate degrees in 1940, and in 1982 changed its name to Pharmacology/Toxicology. The first M.S. graduate was Richard Hampton in 1940; the first Ph.D. graduate was Dr. Charles Martin in 1943.

In 1993, the College enrolled its first post-baccalaureate Doctor of Pharmacy class. This program was designed for graduates of accredited colleges of pharmacy and required 5 semesters of classroom instruction and clerkships. The first class graduated in May 1995. This program continued to admit students until 1997.

The last Bachelor of Pharmacy class graduated in 1997 and the first Doctor of Pharmacy (Pharm.D.) class graduated in 1999. At that

Prerequisite Courses

Course	Semester Hours
Written Communication	6
A philosophy course titled "Logic" or "Ethics"	3
ECON 101 Microeconomics	3
PSYCH 105 Psychology	3
MATH 140 Calculus	4
STAT 212 Statistics	3
BIOL 106 and 107 Introductory Biology	8
CHEM 105 and 106 Principles of Chemistry	8
CHEM 345 and 346 Organic Chemistry	7
BIOL 315 Gross and Microanatomy	4
BIOL 353 Mammalian Physiology	4
MBIOS 305 General Microbiology	4
MBIOS 303 Introductory Biochemistry	4
BIOL 301 General Genetics	3

Statistics for 2009 Entering Class Acceptees

Number interviewed:	159
Number accepted:	110
Estimated entering class size: . . . . .	.94
Estimated male (%):	40%
Estimated female (%):	60%
Estimated out-of-state (%):	30%

Application Process and Requirements

Participates in PharmCAS: Yes
Deadline for receipt of applications: December 1
Supplemental application required: Yes
Supplemental application fee: \$50
Expected GPA: 3.4
Minimum overall GPA considered: 3.0
Minimum prerequisite GPA considered: 3.0
PCAT required: No
Minimum PCAT scores considered: Not applicable
Oldest PCAT scores considered: Not applicable
Interview required: Yes

time 2 years of undergraduate prerequisite courses were required to be qualified to apply for the 4-year program. In 2008 the prerequisites increased to 3 years of undergraduate study in concert with a whole new Pharm.D. curriculum.

Curriculum

The College of Pharmacy offers a course of study leading to a Doctor of Pharmacy (Pharm.D.) degree. Very recently an extra year of prerequisites was added in order to ensure that our applicants were well grounded in the sciences, and also to make room in our newly reconstructed professional curriculum for immediate training in patient care. Within the very first semester of professional studies, students begin learning drug facts, clinical skills, and how to communicate with patients. Training begins with strong basic science and research, then immediately infuses clinical applications and patient care. Throughout their professional studies, students will gain experience in a variety of health care environments, including community, institutional, and long term care settings. Our new professional curriculum includes courses in pathophysiology, medication therapy management, integrated colloquia, pharmacy law, and units on how to work with other health care providers such as

physicians, nurses, dietitians, and others.

The College of Pharmacy also offers a graduate program in Pharmacology and Toxicology. The Pharmacology/Toxicology program consolidates the research and teaching expertise of faculty primarily in the Colleges of Pharmacy (Pharmaceutical Sciences Department) and Veterinary Medicine (Neuroscience faculty). Because this program involves interdisciplinary studies, we have affiliate graduate faculty members from the following WSU academic units: chemistry, entomology, biological sciences, and molecular biosciences. We also have adjunct faculty from the food science and toxicology departments at the University of Idaho in Moscow, Idaho, as well as the Pacific Northwest National Laboratory (PNNL) in Richland, WA.

Admission Requirements

The application period each academic year is from October 1 to January 1. Because we have room for about 1 in 10 applicants, no guarantee can be given that those who successfully complete the pre pharmacy requirements will be admitted to the Doctor of Pharmacy program. Students will be considered only if they have a GPA of 3.0 or higher, as well as a critical mass of pharmacy experience. WSU

participates with PharmCAS for part of its application procedures. Find the application forms and instructions on the College's web site at: <http://www.pharmacy.wsu.edu/futurestudents/pharmd/admissioninfo.html>.

Other Programs

- Bachelors: Exercise Physiology & Metabolism
- Masters: Health Policy & Administration
- Master's and Doctorate: Pharmacology/Toxicology

For Further Information

Pharmacy Admissions
 College of Pharmacy
 Washington State University
 Wegner Hall 105
 PO Box 646510
 Pullman, WA 99164 6510
 509-335-2016
 Fax: 509-335-5268
admissions@pharmacy.wsu.edu
www.pharmacy.wsu.edu

University of Charleston

School of Pharmacy

Accreditation Status: *Full*

Type of Institution: *Private*

Main Campus: *Charleston, WV*

Branch Campus(es): *None*

Satellite Program(s): *None*



General Information

The University of Charleston School of Pharmacy's primary mission is to prepare pharmacists who will provide comprehensive patient care, to advance the profession through research and advocacy, and to serve the community as leaders in rural health care. In order to fulfill our mission, our top priority is the creation of an environment and opportunities that stimulate our faculty, students and practitioners to learn, maintain and expand upon the knowledge, skills and attitudes necessary to meet the health care needs of the patients they serve.

The University of Charleston is a small private university located in Charleston, West Virginia, a community of approximately 200,000 people located in the south central part of the state. Our 40-acre campus rests amidst magnificent mountains, rivers, and the capital city. The city is alive with fun restaurants, shops, historic sites, a civic center, theaters, malls, a municipal auditorium, and plenty of outdoor recreation. The university has a rich history of learner centered and outcomes based education. From our beautiful residence halls and spirited campus events to our diverse clubs and championship athletic teams, UC offers one of the most enjoyable educational experiences in the region.

The School of Pharmacy, which is housed in a new facility, accepts approximately 75–80 professional students in each of its professional classes. Our professional program is technology-rich and you'll use your computer in the classroom and on the fly in a wireless environment: to chat with professors, seek input from classmates, do research, turn in assignments, access transcripts, track your graduation status and get direction from advisers. In addition to new science labs and on line lecture halls, there are computerized classrooms and the Schoenbaum Library is completely electronic as well, giving you access to its rich selection of resources from the classroom to graduate apartment housing located on campus.

Mission/Vision

The vision for the University of Charleston School of Pharmacy is to:

- Become nationally recognized for an emphasis on rural health care and service to the Appalachian region
- Maintain its status as an innovative leader in the use of technology in pharmacy education and practice
- Advance the profession of pharmacy through leadership, education, research, and advocacy
- Elevate the profile of the University of Charleston as a leading comprehensive university

Curriculum

Our competency-based curriculum will provide knowledge, teach models of care management, and allow students to demonstrate prior knowledge and current understanding through a variety of assessments. Our model of teaching disease-state management will enable students to learn in an applied manner a process that will help students understand how the complex elements of pharmacy fit together.

Experiencing the profession of pharmacy and how the classroom relates to the practice is fundamental to understanding the profession. Therefore, during the first three years of the program, experiential (practice site) opportunities are threaded throughout the curriculum. The fourth year is spent almost entirely in practice settings with students returning to campus approximately monthly to participate in specialty track offerings.

The profession of pharmacy is one in which the management and use of information is essential to patient care. Our program will integrate technology and information utilization throughout the professional program in a technology-rich learning environment.

Admission Requirements

Information that will be considered regarding admission to the University of Charleston and the School of Pharmacy includes:

- Grade point average on all courses as well as on required pre-pharmacy courses
- Score on the Pharmacy College Admissions Test (PCAT)
- Two (2) letters of recommendation (at least one from a pharmacist)
- A completed application specific to the pharmacy program
- Volunteerism, community service, activism, and leadership

Based upon the above information competitive applicants will be selected to visit campus for an interview. Applications will be reviewed on a rolling basis when all required application materials are received.

Pre-professional (undergraduate) course requirements may be completed with a "C" grade or better at any accredited U.S. college. Post-secondary courses taken outside the U.S. or Canada must be evaluated by an accredited U.S. evaluation service. A total of 63 semester credit hours are required to complete pre-professional requirements.

For Further Information

University of Charleston
School of Pharmacy
Office of Professional and Student Affairs
304-357-4889
www.pharmacy.ucwv.edu

Prerequisite Courses

Course	Semester Hours
Human Anatomy and Physiology	8
General Biology with Lab	8
Microbiology with Lab	4
General Chemistry with Lab	8
Organic Chemistry with Lab	8
Physics with Lab	4
Statistics	2
Algebra/Introductory Calculus	3
Calculus	3
Economics	3
History or Political Science	3
English Composition	6
Psychology or Sociology	3

Statistics for 2010 Entering Class Acceptees

Number interviewed	200
Number accepted	150
Estimated entering class size . . . . .	.80
Estimated male (%)	45%
Estimated female (%)	55%
Estimated out-of-state (%)	50%

Application Process and Requirements

Participates in PharmCAS: Yes
Deadline for receipt of applications: *February 1*
Supplemental application required: Yes
Supplemental application fee: \$50
Expected GPA: 3.3
Minimum overall GPA considered: 2.75
Minimum prerequisite GPA considered: 2.75
PCAT required: Yes
Minimum PCAT scores considered: *50th percentile*
Oldest PCAT scores considered: *3 years*
Interview required: Yes

West Virginia University

School of Pharmacy

Accreditation Status: *Full*

Type of Institution: *Public*

Main Campus: *Morgantown, WV*

Branch Campus(es): *None*

Satellite Program(s): *None*



General Information

The School of Pharmacy at West Virginia University is a state-assisted professional school with teaching and research facilities on the Morgantown, Charleston, and Martinsburg division campuses. The School is located in the Robert C. Byrd Health Sciences Center in Morgantown, WV. The Charleston and Martinsburg divisions of the School of Pharmacy are a combination of teaching, research and service components of the clinical branch, and in addition, the Charleston division houses the state's Poison Control Center. The School also offers programs of study leading to the M.S. and Ph.D. in the pharmaceutical sciences. Pharmacy students have access to all University athletic, cultural and recreational facilities and programs and may join any of the seven professional/fraternal/honorary student organizations. Students typically live in apartments or townhouses within walking distance of the Health Sciences Center. Due to a rich mixture of educational, artistic, athletic and recreational activities, Morgantown is frequently honored as being one of the most "livable" small cities in America.

Mission/Vision

The mission of the WVU School of Pharmacy is to improve the health and well being of West Virginians and society at large by educating students and practitioners to provide patient care that ensures optimal drug therapy outcomes; conducting vital research that advances scientific knowledge, pharmacy practice, and economic development; and providing direct and supportive services to patients, the community, and the profession.

Curriculum

The professional program leading to the Pharm.D. degree is designed to provide the student with the scientific and technical knowledge and communications skills

required for the broad scope of pharmaceutical practice and to inculcate in the student a concept of the pharmacist's professional responsibilities as a provider of pharmaceutical care. A minimum of two years is necessary to complete the approximate 65 hours of prerequisite course work prior to admission into the professional curriculum. The four year professional curriculum involves study in the basic biomedical sciences and in the areas of pharmaceuticals, biopharmaceuticals, pharmacy practice, pharmacokinetics, pharmaceutical chemistry, pharmacology, therapeutics, pharmacy administration, pharmacoeconomics, patient health education and disease prevention and health promotion.

The experiential component includes activities in all four years of the curriculum and encompasses experiences in a variety of acute and ambulatory care, and institutional and community practice settings. Elective experiences are available in nontraditional areas of practice. Three months of the experiential component must be performed in designated rural practice settings. The determination of student status, advancement, and graduation is made by the Committee on Academic Standards in the School of Pharmacy and is subject to approval by the Dean. Once enrolled, students must complete 100 hours of community service as a condition of graduation. Admitted students must undergo criminal background checks and meet all vaccination and proof of immunity requirements, all done at the student's expense. Students must meet technical standards of performance for admission, advancement and graduation.

Admission Requirements

Admission to the School of Pharmacy is based on the satisfactory completion of prepharmacy course requirements in a U.S. accredited college. Admission is quite competitive and is based on the prepharmacy academic record, Pharmacy College Admission Test scores, academic recommendations,

and a personal interview with the Committee on Admissions. Interviews will be held at the Robert C. Byrd Health Sciences Center in Morgantown from February through March. Students with cumulative and prerequisite course GPAs of less than 3.3 are rarely admitted. Only applicants selected by the Committee on Admissions are invited for an interview. The WVU School of Pharmacy does not limit its applicants to residents of the state; however, priority will be given to qualified resident applicants. The Committee on Admissions and the Dean will make the final selections for admission. Formal application to the School of Pharmacy must be made through PharmCAS.

Completed applications must be submitted to PharmCAS no later than December 1 preceding the fall term in which the student is seeking enrollment. Supplemental applications will be sent to applicants selected by the Committee on Admissions.

If space is available, students from other accredited pharmacy programs may be considered for admission with advanced standing, provided they meet the prerequisite course requirements of the WVU School of Pharmacy, have a competitive grade point average (minimum of 2.5 in their professional studies) and are eligible for readmission for the degree in pharmacy in the school previously attended. "D" grades in professional courses will not be transferred.

Other Programs

Master of Science in Pharmaceutical Sciences; Doctor of Philosophy in Pharmaceutical Sciences

The WVU School of Pharmacy offers graduate programs in pharmaceutical and pharmacological sciences for both the M.S. and Ph.D. degrees. The School of Pharmacy maintains research laboratories, shared instrumentation, and core facilities in the Health Sciences Center complex. The scientific community is well developed, and draws on scientists at

Prerequisite Courses

Course	Semester Hours
Introduction to calculus/Calculus 1	3-4
English composition	6
Principles of economics (<i>micro</i>)	3
General biology	8
General chemistry	8
Organic chemistry	8
Physics	8
Introduction to statistics	3
Microbiology	3
Public speaking	3
Arts and Humanities electives	12

Statistics for 2009 Entering Class Acceptees

Number interviewed:	134
Number accepted:	94
Estimated entering class size:	82
Estimated male (%):	38%
Estimated female (%):	62%
Estimated out-of-state (%):	16-30%

Application Process and Requirements

Participates in PharmCAS: Yes
 Deadline for receipt of applications: December 1
 Supplemental application required: Yes
 Supplemental application fee: \$50
 Expected GPA: 3.6
 Minimum overall GPA considered: 3.1
 Minimum prerequisite GPA considered: 3.1
 PCAT required: Yes
 Minimum PCAT scores considered: 60th percentile
 Oldest PCAT scores considered: 1 year
 Interview required: Yes

WVU, NIOSH, CDC and a variety of research centers in cancer cell biology, neuroscience, cardiovascular/pulmonary sciences, and nanotechnology. A NIOSH/CDC research facility is located two blocks away and Mylan Pharmaceuticals, a leading generic drug producer in the country, is located across the street from the Health Sciences Center campus.

Applicants for the Ph.D. may choose from two pathways: 1) pharmaceutical and pharmacological sciences which emphasize basic laboratory research, and 2) health outcomes which emphasize population and health policy research. The graduate program features multidisciplinary coursework and seminars to provide students which a diversified background in the theories and techniques of contemporary research. The Ph.D. program does not result in a degree that will qualify the recipient to take the professional practice licensing exam; a Pharm.D. degree is required for that purpose.

Students must possess a baccalaureate degree from a suitable academic discipline with an overall grade point average of at least 3.00 and an aptitude and interest for graduate work in the pharmaceutical and pharmacological sciences. Furthermore, GRE scores in the verbal, quantitative, and analytical essay are required. TOEFL scores may be required of

international students.

To obtain specific information related to the school's graduate programs, graduate faculty research interests, and availability of graduate assistantships or fellowships, applicants may write directly to: Associate Dean for Research and Graduate Programs, WVU School of Pharmacy, P.O. Box 9500, Morgantown, WV 26506, 304-293-1350, rmatsumoto@hsc.wvu.edu. Additional information can be obtained from the School's website www.hsc.wvu.edu/sop.

For Further Information

W. Clarke Ridgway, R.Ph.
 Jennifer, Clutter, B.S.S.Ed.
 Office of the Dean
 WVU School of Pharmacy
 HSS 5700
 PO Box 9500
 Morgantown, WV 26506-9500
 304-293-1552 or 7806
www.hsc.wvu.edu/sop

Financial Aid Office:
 WVU Health Sciences Center
 PO Box 9810
 Morgantown, WV 26506-9810
 304-293-3706

Concordia University Wisconsin

School of Pharmacy

Accreditation Status: *Precandidate*

Type of Institution: *Private*

Main Campus: *Mequon, WI*

Branch Campus(es): *None*

Satellite Program(s): *None*



General Information

Founded in 1881, Concordia University Wisconsin was one of the state's earliest institutions of higher learning and is currently the second largest private university in Wisconsin, with over 7,000 undergraduate and graduate students. It is located on the western shore of Lake Michigan in suburban Mequon, Wisconsin, just minutes from downtown Milwaukee.

What you can expect:

- Personalized instruction and small classes (student to teacher ratio of 10:1)
- Practice experiences in the pharmacy as early as the P1 year
- Well planned, high quality rotations using outcomes focused training
- Student representation on committees
- Interdisciplinary educational opportunities
- Ethics infused curriculum
- Interactive case based educational methods
- State of the art new pharmacy building by fall 2011
- Caring faculty with extensive pharmaceutical and/or educational backgrounds
- Clinically relevant technology
- Community service to foster an appreciation for others
- Faith based environment dedicated to your spiritual, mental and physical well being
- Multiple student organizations for professional development, networking and social opportunities

The first pharmacy class will begin their coursework in the fall of 2011 and graduate in fall of 2014. There will be 68 students in this class. The program will increase its size incrementally as we add new faculty to an eventual class size of 100 within six years.

The innovative design of the new pharmacy building will maximize active learning and student engagement. Highlights of the building include: three lecture halls, each capable

of accommodating an entire pharmacy class of up to 100 students (allowing for flexibility in scheduling core classes); break out rooms surrounding each lecture hall (allowing for frequent and easy small group discussions during larger lectures); state of the art educational technologies in lecture halls (allowing for greater student participation and real time engagement, including Turning Point®); separate sterile and non sterile product labs equipped with cutting edge educational and assessment technology to develop and assess students' pharmaceutical product preparation techniques; clinical practice labs with scheduling flexibility that will allow for personalized instruction and low student to instructor ratios ranging from 5:1 to as low as 1:1 during practice and assessment activities; clinical practice labs with advanced patient care rooms to develop patient care skills and foster self assessment, peer assessment and instructor assessment of student interactions with simulated patients; learning commons space throughout the building (allowing for student study and relaxation areas); and faculty research space which will provide faculty with the opportunity to continue pharmaceutical research, informing future teaching and practice.

Mission/Vision

Concordia University Wisconsin School of Pharmacy is a Lutheran higher education community committed to the development of compassionate, knowledgeable and ethical pharmacists dedicated to providing exemplary patient care. This will be accomplished by providing a comprehensive pharmacy education that balances education, service and research. Our focus is to prepare pharmacy practitioners dedicated to advancing patient centered pharmaceutical care through medication therapy management in Wisconsin and throughout the country, by working closely with patients and all other healthcare providers, taking into consideration the physical, mental and spiritual needs of each patient.

Our curriculum, combined with a holistic approach to student development, promotes leadership skills and an enthusiasm for life long learning through excellence in teaching, service and scholarship. We will produce graduates who will be servant leaders in the pharmacy community and to Christ in the church and in the world.

Curriculum

The School of Pharmacy offers the professional program leading to the Doctor of Pharmacy (Pharm.D. degree). The program consists of four years of professional education preceded by the completion of 69 semester hours of prerequisite coursework. Students are admitted into the program as a group each fall and progress through the curriculum as a cohort. The educational process follows the programmatic goals set forth by the Accreditation Council on Pharmaceutical Education (ACPE).

The course of study will be comprised of 148 credits hours of didactic courses and practice experiences. The coursework can be categorized into eight curricular domains which include:

1. Foundational (Biochemistry, Anatomy and Physiology, Immunology, Molecular Biology and Microbiology);
2. Drug Delivery and Elimination (Pharmaceutics, Applied Pharmacokinetics and Therapeutic Drug Monitoring, Advanced Pharmaceutical Preparations);
3. Drug Action (Pharmacology and Medicinal Chemistry);
4. Social and Administrative (Pharmacy and the Healthcare System, Social and Behavioral Pharmacy, Patient Care Ethics, Pharmacy Management and Leadership, Pharmacoeconomics and Epidemiology and Pharmacy Law);
5. Therapeutics (non prescription Therapies, Pharmacy Calculations, Therapeutics and Pathophysiology);

Prerequisite Courses

Course	Semester Hours
Biology I with Lab	4
Biology II with Lab	4
General Chemistry I with Lab	4
General Chemistry II with Lab	4
Organic Chemistry I with Lab	4
Organic Chemistry II with Lab	4
Physics I with Lab	4
Physics II with Lab	4
Calculus	4
Statistics	3
Economics (<i>micro, macro or general</i>).	3
English Composition (<i>writing</i>)	3
Speech, Public Speaking or Interpersonal Communications.	3
General Education Electives (<i>sociology, psychology, foreign language, history, business, etc.</i>).	21

Statistics for 2010 Entering Class Acceptees

Number interviewed	NR
Number accepted	NR
Estimated entering class size	NR
Estimated male	NR
Estimated female	NR
Numbered out-of-state	NR

Application Process and Requirements

Participates in PharmCAS: Yes
 Deadline for receipt of applications: March 1
 Supplemental application required: Yes
 Supplemental application fee: \$50
 Expected GPA: Not reported
 Minimum overall GPA considered: 2.75
 Minimum prerequisite GPA considered: 3.0
 PCAT required: Yes
 Minimum PCAT scores considered: 40th percentile
 Oldest PCAT scores considered: 3 years
 Interview required: Yes

6. Informatics (Medical Literature Evaluation);
7. Applied (Applied Patient Care, Physical Assessment); and
8. Experiential Education (IPPE and APPE).

The Experiential Education program begins in the first semester of the first professional academic year (the “P1” year). The philosophy of the CUW experiential program is that the students will benefit from dedicated blocks of time for all of their rotation experiences as all regularly scheduled classes are suspended during this block of time. There will not be any experiential education requirements during the summer months of the P1, P2 or P3, which will enable students to use this time for work or internships and will make it possible for students to compete for those national internships that are only offered during the summer months.

Admission Requirements

Potential applicants are highly encouraged to consult the CUW School of Pharmacy website for complete information regarding admission requirements and procedures, including the FAQ section. Admission to the University does not grant admission to the Doctor of Pharmacy Program. All students

must apply to be formally accepted to the School of Pharmacy before they may begin the professional courses for the four years of the pharmacy program.

Students may apply for admission into the Doctor of Pharmacy program upon satisfactory completion of the prerequisites or evidence that these prerequisites will be successfully completed at either CUW or another accredited college prior to admission. All students must apply through PharmCAS. A supplemental application and \$50 fee are also required and must be received before an application is considered. This application can be found on the website.

Selection is based on a thorough evaluation of applicants utilizing both academic and non-academic criteria. Some of the criteria evaluated includes: academic performance in the prepharmacy curriculum, personal qualifications including commitment to service, extra-curricular involvement and pharmacy experience, as well as evidence of a thorough understanding, sincerity and enthusiasm toward the profession of pharmacy. Performance in Organic Chemistry is also considered to be a predictive indicator for performance in the professional program. All prerequisites must be taken for academic credit (no pass/fail) and must be completed

with a grade equivalent “C”. The most recent academic performance is often viewed as a better predictor of performance than initial college work completed. A strong science aptitude is crucial. Letters of reference should be chosen with care as the information contained within the reference is crucial.

Selected applicants are interviewed by faculty and area pharmacists who assist us with the interview process. All decisions are made by the Admissions Committee. We process our applications on a rolling basis which begins on August 1 each year preceding matriculation. All application materials (including letters of reference) must be received by PharmCAS by March 1 for consideration. The supplemental application is due by that time as well.

For Further Information

Office of Student Affairs
 CUW School of Pharmacy
 12800 N Lake Shore Drive
 Mequon WI 53097
 262.243.2755
www.cuw.edu/pharmacy

University of Wisconsin–Madison

School of Pharmacy

Accreditation Status: *Full*
Type of Institution: *Public*
Main Campus: *Madison, WI*
Branch Campus(es): *None*
Satellite Program(s): *None*



General Information

The University of Wisconsin Madison School of Pharmacy was proud to celebrate its 125th anniversary in 2008. Established by the Wisconsin legislature in 1883, UW Madison was the first pharmacy school in the country to offer postgraduate work leading to the M.S. and Ph.D. degrees in pharmacy, and remains a leader in the development of innovative teaching techniques and programs to assist pharmacists around the world in maintaining their professional competencies. The School of Pharmacy is part of the Center for Health Sciences, and is housed in Rennebohm Hall, the new state of the art pharmacy building.

There are a number of School of Pharmacy student organizations, in which many students participate, and there is an active Student Senate. More than 650 student organizations on campus support the reputation of UW Madison as a university with an unusual breadth of opportunities.

University housing is available for School of Pharmacy students. Private housing arrangements must be made by students on their own.

Mission/Vision

The mission of the University of Wisconsin Madison School of Pharmacy is to educate, train, and maintain competency of highly skilled pharmacists and scientists; to create, transmit, and apply new knowledge based on cutting edge research in the pharmaceutical, social, and clinical sciences; and to enhance the quality of life through improved health for the people of Wisconsin and the global community.

The mission of the Doctor of Pharmacy (Pharm.D.) program at the University of Wisconsin School of Pharmacy is to prepare students to provide high quality pharmaceutical care that has the patient as its focus and optimal drug therapy and health as its

goal. The program stresses knowledge of the chemical, biological, social, and clinical sciences that underlie pharmacy, an understanding of the relevance of that knowledge to patient care, and the skills to apply that knowledge to specific care circumstances. The program promotes the development of analytical thinking, problem solving abilities, communication skills, professional ethics, social responsibility, professional citizenship, the ability to adapt to changes and respond to challenges in health care, and a commitment to lifelong learning. The program endeavors to attain a diverse community of faculty, staff and students to enhance the learning environment and to meet the needs of an increasingly diverse society.

Curriculum

The School of Pharmacy offers a comprehensive array of degree programs. The Doctor of Pharmacy (Pharm.D.) program is a 4 year program that requires a total of 209 credits for graduation. For admission in fall 2010, this includes:

- 62 credits required prior to beginning the Pharm.D. program,
- 124 credits of required didactic and experiential courses in the Pharm.D. Program
- 18 credits of professional electives in the Pharm.D. program, and
- 5 credits of non professional courses (history, 2 credit hrs; humanities electives, 3 credit hrs) are required for graduation, if these courses have not been completed prior to admission to the Pharm.D. program.
- Free choice electives to reach the total of 209 degree credits.

NOTE: Admission for fall 2011 will require a minimum of 68 credits prior to beginning the Pharm.D. program, because of microbiology and statistics being added to the pre pharmacy requirements (prerequisites).

Advanced Pharmacy Practice Experiences in the final year of the program utilize phar-

macy sites from throughout Wisconsin as well as a variety of sites across the U.S. and internationally.

A 4 year Bachelor's degree program in Pharmacology and Toxicology also is offered by the School. Master's and research doctorate (Ph.D.) programs are available in the Pharmaceutical Sciences and in the Social and Administrative Sciences. In collaboration with the University of Wisconsin Hospital and Clinics, the School also offers a 2 year combined Master's/residency program that focuses on administration and leadership in health system pharmacy.

Admission Requirements

Admission to the School of Pharmacy is competitive. Preference for admission is given to Wisconsin residents; a limited number of nonresidents are admitted. Application materials can be obtained from the School of Pharmacy Web site (www.pharmacy.wisc.edu).

The Pharm.D. Admissions Committee conducts a holistic review of application materials. Admission decisions are based upon the following criteria:

- Academic achievement
- Communication skills
- Community service
- Completion of pre Pharm.D. coursework
- Cultural competence
- Diversity of background/experiences
- Extracurricular activities
- Interest/experience in pharmacy, other health care areas or research
- Leadership experience
- Personal attributes
- Personal talents and skills
- Pharmacy College Admission Test (PCAT) scores

International applicants (including permanent residents) whose native language is not English must submit TOEFL scores; minimum scores of 100 on the internet based

Prerequisite Courses

Course	Semester Hours
General Biology with Labs (<i>year integrated sequence</i>)	8-10
Microbiology	3
General Chemistry with Labs.	8-10
Organic Chemistry with Labs.	8-10
Physics with Labs	8-10
Calculus (<i>for math/science majors</i>).	4-5
General Statistics.	3
Communication/English (<i>must meet UW-Madison Communications "A" Requirement</i>)	3
General Psychology or Social Psychology.	3
General Sociology, General Anthropology, or Cultural Anthropology	3
Ethnic Studies (<i>Diversity Studies with United States Emphasis</i>)	3
Microeconomics	3-4
Additional Electives to reach 68 total pre-School of Pharmacy credits	

Statistics for 2009 Entering Class Acceptees

Number interviewed:	225
Number accepted:	167
Estimated entering class size:	139
Estimated male (%):	45%
Estimated female (%):	55%
Estimated out-of-state (%):	12%

Application Process and Requirements

Participates in PharmCAS: Yes
 Deadline for receipt of applications: November 1
 Supplemental application required: Yes
 Supplemental application fee: \$56
 Expected GPA: 3.5
 Minimum overall GPA considered: 3.0
 Minimum prerequisite GPA considered: 3.0
 PCAT required: Yes
 Minimum PCAT scores considered: *Not reported*
 Oldest PCAT scores considered: 3 years
 Interview required: Yes

TOEFL are required for consideration for admission.

Other Programs

Pharmacy (M.S.)

Graduate study leads to the degree of Master of Science. This program is designed to provide the resident with a solid academic foundation and experience in the administration of exemplary pharmacy services across an integrated health system. The primary objective of the program is to develop pharmacy administrators who are trained and prepared to immediately assume manager and assistant director level administrative leadership positions within large integrated health care delivery systems (e.g. managers or assistant directors of pharmacy operations, pharmacy patient care services, medication use policy, medication safety, informatics, etc.), and one day a Director of Pharmacy position.

Pharmaceutical Sciences (Ph.D.)

Graduate study leads to the degree of Doctor of Philosophy. The pharmaceutical sciences graduate program provides students rigorous background in a broad range of scientific disciplines that are critical to the success of modern pharmaceutical scientists in academia and industry. Training emphasizes an interdisciplinary approach

to graduate research by uniquely combining pharmaceutically relevant aspects of classical disciplines such as chemistry, biology and engineering. The foundation of this interdisciplinary training derives from the specialized and collaborative infrastructure of core areas of drug discovery (elements of drug design and molecular recognition applied to important biological problems), drug action (molecular drug mechanisms), and drug delivery (temporal and spatial control of drugs in a broad sense).

Social & Administrative Sciences in Pharmacy (M.S. and Ph.D.)

Graduate study leads to the degrees of Master of Science or Doctor of Philosophy. The objective of this program is to prepare students for independent, theory-based research leading to new knowledge and understanding of drug use, patient and provider communication and behaviors, health outcomes, pharmacy practice, patient care systems, and the pharmacy profession.

For Further Information

School of Pharmacy
 Office of Student and Academic Affairs
 608-262-6234
 pharminfo@pharmacy.wisc.edu
 www.pharmacy.wisc.edu

University of Wyoming

School of Pharmacy



Accreditation Status: Full
Type of Institution: Public
Main Campus: Laramie, WY
Branch Campus(es): None
Satellite Program(s): None

General Information

The University of Wyoming School of Pharmacy offers a four year program of study leading to the Doctor of Pharmacy (Pharm.D.) degree as the only entry level professional degree in pharmacy. Students are admitted to the professional program following a preprofessional program of not less than two years in length for a total of 67 course hours. A University of Wyoming Doctor of Pharmacy (Pharm.D.) degree meets the educational requirements for registration as a pharmacist in Wyoming, all other states, and in the District of Columbia.

Professors at the School of Pharmacy are experienced in teaching, dedicated to their field, and skilled in clinical service and research. Classes of 52 students assure each student maximum individual attention. Faculty members in addition to their teaching and research, advise students on courses and other University procedures. School of Pharmacy professors have been recognized nationally for their research achievements and contributions to clinical science.

The University of Wyoming has an enrollment of approximately 13,000 students representing 50 states and 65 foreign countries, providing a mix of cultural and geographic backgrounds. Seven academic colleges offer 180 different programs of study. Pharmacy students have found enjoyment in UW's many extracurricular activities such as athletics, debates, fraternities and sororities, publications, music, literary, and religious organizations.

The campus is situated near the center of Laramie, a city of approximately 30,000 people. The city lies at the eastern border of the historic Laramie Plains that are encircled by the Laramie Mountains on the east and north and by the Medicine Bow Mountains on the south and west. The plains and surrounding mountains with their national forests, streams, glacial lakes, varied wildlife,

and eternal snow afford the finest facilities for both summer and winter recreation. The 7,200 foot altitude of the campus assures a delightful climate with abundant sunshine and invigorating atmosphere.

Laramie is served by Interstate Highway 80, U.S. Highway 287, U.S. Highway 30, and State Highway 130-230 and a small municipal airport.

Mission/Vision

The mission of the University of Wyoming School of Pharmacy is to be recognized as a leader in pharmacy education by:

- Providing and sustaining knowledge, skills, attitudes, behaviors and values necessary to develop outstanding pharmacists capable of delivering patient centered care in a rural frontier environment;
- Promoting professional development through a commitment to life long learning;
- Achieving recognition for innovation or leadership in teaching, service, research and practice;
- Promoting excellence in the practice of pharmacy by being agents of positive change; and
- Providing service to health care providers, health care systems and patients to promote excellence in health care.

Statement of values

The School of Pharmacy values professionalism in all of its various guises.

Objectives

The primary objective of the School of Pharmacy is to provide a sound scientific, professional, and cultural background necessary for the successful provision of patient-oriented primary pharmaceutical care with emphasis on rural frontier interdisciplinary community-based practice.

Student Profile

The School of Pharmacy is one of eight principal units comprising the College of Health Sciences. In addition to pharmacy, programs in health sciences include medical education, Wyoming Institute for Disabilities (WIND), communication disorders, nursing, kinesiology and health, social work, and dental hygiene.

Enrollment in the School of Pharmacy consists of approximately 50 percent men and 50 percent women. Approximately one-half of the students are Wyoming residents. Students in the School of Pharmacy have their own special activities and share in the congenial college community.

Curriculum

The University of Wyoming School of Pharmacy offers the Doctor of Pharmacy degree as the single entry level professional pharmacy degree. The degree requires a minimum of 146 semester-hours credit in required and elective courses. The curriculum has been developed within the guidelines of the Accreditation Council for Pharmacy Education taking into consideration the variety of career opportunities as well as general education needs. The summer after the first professional year and the final year are devoted to rotations involving learning experiences in hospitals, community pharmacies, nursing home and health-related agencies. Students are required to live in locations other than Laramie when enrolled in the clinical rotations.

Admission Requirements

Students may enter the professional program only upon official acceptance by the School of Pharmacy. Admission to the School of Pharmacy is competitive and class size is limited. To be considered for admission to the professional program, students must have completed all preprofessional requirements or their equivalents by the end of the

Prerequisite Courses

Course	Semester Hours
General Chemistry I with Lab	4
General Chemistry II with Lab	4
Organic Chemistry I with Lab	4
Organic Chemistry II with Lab	4
General Biology I with Lab	4
General Biology II with Lab	4
Human Anatomy with Lab	4
Medical Microbiology with Lab	5
Human Systems Physiology with Lab	4
Calculus	4
Statistics	4

Statistics for 2010 Entering Class Acceptees

Number interviewed	200
Number accepted	52
Estimated entering class size	52
Estimated male (%)	50%
Estimated female (%)	50%
Estimated out-of-state (%)	40%

Application Process and Requirements

Participates in PharmCAS: Yes
Deadline for receipt of applications: December 1
Supplemental application required: No
Supplemental application fee: Not applicable
Expected GPA: 3.5
Minimum overall GPA considered: 2.8
Minimum prerequisite GPA considered: 2.8
PCAT required: Yes
Minimum PCAT scores considered: 50th percentile
Oldest PCAT scores considered: 2 years
Interview required: Yes

spring semester prior to matriculation. If not completed, students are not admitted to the professional program (but may be admitted to the preprofessional program).

The application process for the University of Wyoming School of Pharmacy requires that students use PharmCAS, the pharmacy college application service; for more information about PharmCAS log onto www.PharmCAS.org. All students are required to take the Pharmacy College Admissions Test (PCAT) and have the results sent directly to PharmCAS by December 1st. Non-citizens must submit TOEFL (575 minimum for written test) score. All application materials and test scores must be submitted by December 1st to PharmCAS. Only courses completed with a grade of "C" (2.00) or better will be transferred as meeting admission requirements.

A minimum of four years (eight semesters plus two summer terms; 146 hours) of residence work in the professional program is required of degree candidates in pharmacy regardless of the amount of credit previously earned. However, credit earned in professional programs at other accredited schools or colleges of pharmacy may be applied toward this residence requirement. Students transferring from other schools or colleges of pharmacy must be in good academic stand-

ing in that program and are considered on an individual basis. The School of Pharmacy admits only for fall semester; credit earned after notification of admission, but before fall semester will be considered preprofessional coursework.

For Further Information

Manager of Pharmacy Student Services:

School of Pharmacy Dept 3375
 1000 E University
 Laramie, WY 82071-3375
 307-766-6132
uwpharmacy@uwyo.edu
www.uwyo.edu/pharmacy

Financial Aid:

Student Financial Aid Dept 3335
 1000 E University
 Laramie, WY 82071-3335
 307-766-2116

Lebanese American University

School of Pharmacy

Accreditation: *Full*

Type of institute: *Private*

Campus: *Byblos, Lebanon*

Branch Campus(es): *None*

Satellite Program(s): *None*



General Information

The Lebanese American University was founded in 1924 by Presbyterian missionaries and is chartered in the State of New York. The university consists of two campuses, one in the center of Beirut, less than half a mile from the Mediterranean sea, and the other one is located in Byblos, which is the home to the schools of Arts and Sciences, Business, Engineering, Pharmacy, Medicine and the future School of Nursing. The university also has an office in New York City. The town of Byblos is rich in heritage and as it was the capital city of the ancient Phoenicians. It is believed to be the oldest town in the world that has been inhabited continuously for the last 3000 years. It was in the town of Byblos that the alphabet was established and many believe that the word Bible was derived from the name of the town.

The School of Pharmacy was established in 1993. It offers two professional degrees: the entry level Bachelor of Sciences in pharmacy (B.S. in Pharmacy), requires five academic years and Doctor of Pharmacy (Pharm.D.), requiring a minimum of six academic years including the B.S. in Pharmacy. Students are required to earn the B.S. in Pharmacy degree to satisfy the Lebanese Ministry of Higher Education regulations which requires a B.S. in Pharmacy in order for graduates to sit for the Lebanese National Competency Assessment Examination (colloquium, licensure exam) which allows them to practice pharmacy in Lebanon. In June 2002, the Pharm.D. program of the School of Pharmacy of the LAU was granted full accreditation by the Accreditation Council for Pharmacy Education (ACPE) to become the only fully accredited School of Pharmacy outside the USA. Like any ACPE accredited School/ College of Pharmacy in the US, LAU Pharm.D. program graduates can sit for the North American Pharmacy Licensure Examination (NAPLEX). Graduates who successfully pass NAPLEX are entitled to become licensed pharmacists capable of

practicing the profession of pharmacy in the USA. Since its ACPE accreditation in 2002 LAU graduates who sat for NAPLEX for the first time had 100 % passing rate and scored above the U.S. National Score Average. The School of Pharmacy is a full institutional member of the American Association of Colleges of Pharmacy (AACP), the only full member outside the U.S.

Mission/Vision

The school is responsible for producing pharmacists entrusted with the best standards to apply and disseminate new information about drugs and the ever changing health care systems. Graduates will be competent to practice pharmacy in all settings. Additionally, they will have the values to serve society as caring and ethical professionals.

Curriculum

The B.S. in Pharmacy program consists of two years of pre professional studies and 3 years of professional pharmacy courses. After receiving the B.S. in Pharmacy degree graduates become eligible to apply for admissions into the Pharm.D. program which consists of an added a fourth professional pharmacy year.

Admission Requirements

Students admitted at LAU after completion of secondary education as well as students with B.S. or B.A. degrees or higher and who did not complete all requirements in the first two academic years are eligible to enroll in the pre-professional pharmacy program. After the completion of the two years of pre-professional program, students must complete an application form for admission into the professional pharmacy phase of the program. Admission into the professional pharmacy program takes place only in the fall semester and will be decided upon by the Admission Committee of the School. Following the completion of the application process an individual interview may be conducted with

selected students who are mostly transfer from other institutions. The vast majority of our applicants are LAU students.

To be admitted into the professional pharmacy program, students must complete all pre-professional courses with a minimum GPA of 2.5 and pass all major courses with a minimum grade of "C". Admissions into the professional program are competitive. Meeting the minimum requirements does not guarantee acceptance into the program. Students admitted into the professional pharmacy program after July 1, 2007 and plan later to join the Pharm.D. program will be subject to the requirements stated in the ACPE Standards 14, and Guidelines 14.5, namely "the required advanced pharmacy practice experiences (APPEs) in all program pathways must be conducted in the United States or its territories and possessions". The following statement will be included in the letter of admissions sent by the Office of Admissions and the School of Pharmacy to the students admitted to the professional program: "in compliance with the ACPE requirements, as stated in Standard 14, Guideline 14.5, your admission into the professional program is contingent upon agreeing to complete the advanced pharmacy practice experiences in all program pathways in the United States or its territories or possessions".

Admissions into the Pharm.D. program takes place in the fall semester after the completion of the B.S. in Pharmacy degree. Only a specified number of students with the highest GPA will be admitted into the program. Candidates may be scheduled for an interview as part of the admission process. Applicants, who received the B.S. in Pharmacy from institutions other than LAU, may apply for admissions into Pharm.D. program. Applicants will be reviewed by the Admissions Committee of the School and remedial courses will be required. Graduates with a B.S. in Pharmacy earned from LAU will have priority over other applicants.

Prerequisite Courses

Course	Semester Hours
Calculus I	3
General Biology	4
General Chemistry	4
English I	3
Mechanics/Physics	4
English II	3
Electives	18
Calculus II	3
Arabic	3
General Biology I	4
Chemical Principles	3
Physical Education	1
Organic Chemistry I with Lab	4
Anatomy & Physiology	4
Computer Application to Pharmacy	2
Micro/Macro economics	3
Organic Chemistry II with Lab	4
Principles of Pathophysiology and Immunology	4
Microbiology	3
Medical Biochemistry	4
Systems of Pathophysiology	4
Statistics	3
English Literature & Communication	6

Statistics for 2009 Entering Class Acceptees

Number interviewed	NA
Number accepted	77
Estimated entering class size	77
Estimated male (%)	27%
Estimated female (%)	73%
Estimated out-of-state (%)	0%

Application Process and Requirements

Participates in PharmCAS: *No*
 Deadline for receipt of applications: *May 31*
 Supplemental application required: *No*
 Supplemental application fee: *Not applicable*
 Expected GPA: *2.5*
 Minimum overall GPA considered: *2.5*
 Minimum prerequisite GPA considered: *2.5*
 PCAT required: *No*
 Minimum PCAT scores considered: *Not applicable*
 Oldest PCAT scores considered: *Not applicable*
 Interview required: *Yes*

For Further Information

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 Lebanon
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