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2007-09 BULLETIN



School of **Pharmacy and  
Pharmaceutical Sciences** Catalog

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College of Consumer  
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Introducing Purdue University  
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Welcome to Purdue Campus Map



## School of Pharmacy and Pharmaceutical Sciences

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2007-09

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## About Purdue University

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Serving people was Purdue University's founding principle as the Indiana link in the nationwide chain of land-grant colleges and universities. Purdue, which opened its doors on September 16, 1874, with a student body of 39 and a staff of six, has grown into a world-class educational system of 69,600 students and about 18,400 faculty and staff members across Indiana. The West Lafayette campus comprises 39,200 students and nearly 15,000 faculty and staff members.

Purdue graduates have been to the moon, to the highest levels of business and government, and to Sweden to receive the Nobel Prize. The roster of about 384,000 living alumni includes noted CEOs, agriculturalists, scientists, teachers, engineers, pharmacists, journalists, veterinarians, and athletes who have made notable contributions to our society.

Purdue has been a vital resource to the people of Indiana, the nation, and the world — from its land-grant foundation to its status today as a prominent land-, sea-, and space-grant university that champions its missions of learning, discovery, and engagement.

Making higher education available to the people was the plan in 1862 when President Lincoln signed the Morrill Act. That act gave public lands to any state that would use proceeds from the sale of the land to support a college that would teach agriculture and the mechanic arts.

Three years after passage of the land-grant act, the Indiana General Assembly voted to take advantage of the provisions. Competition among various areas of the state culminated in 1869 when the assembly accepted \$150,000 from Lafayette civic leader John Purdue, \$50,000 from Tippecanoe County, and 100 acres of land from local citizens. In appreciation, the institution was named Purdue University and was established in West Lafayette. The University officially opened for classes September 16, 1874.

Purdue quickly established prominence in agriculture and engineering, answering the immediate needs of the people. And it has since built solid reputations in veterinary medicine, technology, a range of sciences, pharmacy, nursing, management, liberal arts, health sciences, education, and consumer and family sciences.

The physical growth of campus also has been dramatic. Originally the campus consisted of three buildings rising out of Indiana farm-

land. Today the main campus encompasses 160 major buildings. Nearly \$600 million worth of new construction and renovation is under way or scheduled to occur at Purdue in West Lafayette during the first seven years of the new millennium.

The Purdue system has expanded to include Purdue campuses at Fort Wayne, Hammond, and Westville, and degree programs at Indiana University-Purdue University Indianapolis and Indiana University-Purdue University Columbus. Purdue's College of Technology exists in 10 Indiana communities in addition to the West Lafayette campus.

The mission of answering the people's needs goes beyond educating productive graduate and undergraduate students. Purdue is a highly respected research institution, with research and sponsored program expenditures of over \$395.9 million in the 2004–05 fiscal year on the West Lafayette campus. In addition, the University offers its expertise to the state of Indiana in numerous ways, as well as to business and industry, retailers, and teachers.

Purdue's impact in Indiana is evident daily through its spectrum of learning, discovery, and engagement. The University has an annual impact of more than \$2.5 billion on Indiana's economy. Purdue's march toward preeminence has solid footing in the development of Discovery Park, where the University's talent and ideas are pacesetters in interdisciplinary, world-leading nanotechnology and biosciences research and discovery.

Outreach programs include the Purdue University Cooperative Extension Service, with sites in each of Indiana's 92 counties serving as a gateway to lifelong learning. The Office for Continuing Education and Conferences serves tens of thousands of adult learners annually through Purdue courses for personal and professional development offered on campus, off campus, and by distance education.

Purdue is also a cultural and recreational hub for people in northwestern Indiana. The Edward C. Elliott Hall of Music, one of the largest proscenium theaters in the world, houses 6,025 spectators for music, dance, theatre, and pop entertainment. Boilermaker fans crowd Ross-Ade Stadium, Mackey Arena, and the Intercollegiate Athletic Facility for Big Ten Conference football, basketball, and volleyball.

Purdue University ranks among the 25 largest universities in the United States. Its position of leadership and influence in teaching and research stems in large part from its worldwide acclaim in engineering, science, and technology, but its preeminence is bolstered by an exciting array of academic disciplines. On the West Lafayette campus, there are 370 majors/specializations to choose from within the following colleges and schools:

### ***College of Agriculture***

Among the nation's highest ranked and most prestigious institutions, the college offers excellent teaching, research, extension, and international programs. More than 40 programs of study prepare scientists, engineers, business representatives, producers, information specialists, and resource managers for professional careers in the world's food and natural resource systems. See [www.agriculture.purdue.edu/oap](http://www.agriculture.purdue.edu/oap).

### ***College of Consumer and Family Sciences***

The college, one of the largest and highest ranked of its kind in the nation, prepares men and women for careers related to the needs of families and consumers. Students can choose a bachelor of science degree program from 13 majors in the areas of family studies and child development, consumer sciences and consumer business, hospitality, nutrition, health and fitness, tourism, and education. The Department of Hospitality and Tourism Management also offers an associate's degree program. See [www.cfs.purdue.edu](http://www.cfs.purdue.edu).

### ***College of Education***

The state accredited and nationally ranked and accredited College of Education prepares outstanding teachers, instructional leaders, administrators, school counselors, counseling psychologists, curriculum specialists, teacher educators, and educational researchers for the essential roles they play in guiding the education of our youth. Through interdisciplinary instructional programs in teacher education, research in the educational process, and engagement with Indiana schools, College of Education graduates are well prepared for a rewarding career in education. The dedicated and experienced faculty members, some of whom are known internationally as experts in their fields, are respected leaders in a wide range of curriculum areas and are actively engaged in research. Together our students and faculty share a passion for learning,

teaching, and changing the world. The college offers undergraduate and graduate degrees in a variety of disciplines. In addition to the teacher education programs offered by the College of Education, teacher preparation programs are also offered through other colleges and schools across campus. See [www.education.purdue.edu](http://www.education.purdue.edu).

### ***College of Engineering***

The College of Engineering is internationally known for the quality and scope of programs. Students launch their careers with a common first-year program in the Department of Engineering Education. Once they have completed that program, they choose from undergraduate curricula in aeronautics and astronautics, agricultural and biological, biomedical, chemical, civil, computer, construction engineering and management, electrical, food process, industrial, interdisciplinary, land surveying and geomatics, materials, mechanical, or nuclear engineering. Every school and department offers graduate degree programs. See [www.engineering.purdue.edu](http://www.engineering.purdue.edu).

### ***School of Health Sciences***

The school offers a variety of health-related study areas, including medical technology, medical physics, health physics, industrial hygiene, and related environmental and general health science programs. It also administers the pre-pharmacy, premedical, pre dental, and pre-allied health programs, including occupational and physical therapy and dental hygiene. Students completing the programs and gaining experience in the field may qualify for professional certification. See [www.healthsciences.purdue.edu](http://www.healthsciences.purdue.edu).

### ***College of Liberal Arts***

The college offers essentially all of the traditional disciplines of the humanities, social and behavioral sciences, and creative arts. Majors and minors are available in 11 departments: audiology and speech sciences; communication; English; foreign languages and literatures; health and kinesiology; history; philosophy; political science; psychological sciences; sociology and anthropology; and visual and performing arts. Students can prepare themselves in more than 50 majors, including 11 undergraduate interdisciplinary programs. See [www.cla.purdue.edu](http://www.cla.purdue.edu).

### ***Krannert School of Management***

Degree programs include accounting, management, industrial management, and economics. Accounting and management programs focus on finance, marketing, operations, human resources, and strategic planning. The industrial management program combines management and technical education with a manufacturing management, engineering, or science minor. The accounting program combines a management background with extensive education in accounting principles and practices. All programs include coursework in the arts, humanities, and international and cross-cultural aspects of modern business. See [www.krannert.purdue.edu](http://www.krannert.purdue.edu).

### ***School of Nursing***

The School of Nursing prepares students from diverse backgrounds for careers as professional nurses. The nationally accredited undergraduate program prepares a student for licensure as a registered nurse (R.N.) and for entry into graduate studies. A diverse mix of liberal arts, science, and nursing courses gives students a scientific, multidisciplinary education. Small clinical classes give students practical experience in health assessment, maternal child care, mental health, acute care, and community health nursing. This program admits nursing majors at the freshman year and offers early, hands-on clinical courses. The R.N.-to-B.S.N. program allows registered nurses to complete their baccalaureate requirements. The Second Degree Baccalaureate Program allows students who hold a degree in another field to pursue a B.S. in Nursing. The master's degree program prepares advanced practice nurses. The Doctor of Nursing Practice (D.N.P.) delivers a curriculum from post-baccalaureate to the practice doctorate degree, with an emphasis on care of rural, underserved populations. See [www.nursing.purdue.edu](http://www.nursing.purdue.edu).

### ***School of Pharmacy and Pharmaceutical Sciences***

The school offers an accredited professional program leading to the Doctor of Pharmacy degree. This program combines a basic and applied science background as well as clinical experience allowing students to function as licensed pharmacists to provide pharmaceutical care. The two prepharmacy years can be taken either at Purdue's School of Pharmacy or at another

institution. The school also has a four-year, non-licensure-eligible B.S. in Pharmaceutical Sciences degree designed for entry-level pharmaceutical industry positions or as a foundation for advanced education. See [www.pharmacy.purdue.edu](http://www.pharmacy.purdue.edu).

### ***College of Science***

Actuarial science, biological sciences, chemistry, computer science, earth and atmospheric sciences, mathematics, physics, statistics, math and science secondary school teaching, and interdisciplinary science programs prepare students for immediate careers or advanced study. Pre-medical, pre dental, and preveterinary options; a cooperative education program; study abroad; and honors programs are available. Students may pursue official minors in other areas outside their major. Enrollment in sciences while deciding on a major in any field is encouraged. A highly qualified faculty, state-of-the-art facilities, and ongoing research keep teaching up to date. See [www.science.purdue.edu](http://www.science.purdue.edu).

### ***College of Technology***

The eight departments and 22 specializations in the College of Technology prepare students to meet the technological needs of business, industry, and government. Technology students begin taking courses in their major as early as the freshman year. Courses and other opportunities allow students to experience a variety of hands-on, real-world applications. The college awards associate, bachelor's, and graduate degrees. See [www.purdue.edu/technology](http://www.purdue.edu/technology).

### ***School of Veterinary Medicine***

This professional school, which graduated its first class in 1963, has assumed a leading position nationally and internationally in veterinary education. The school is one of only 28 in the United States that grant the Doctor of Veterinary Medicine degree. The Veterinary Technology Program is accredited by the American Veterinary Medical Association (AVMA) and awards Associate of Science and Bachelor of Science degrees. The Associate of Science degree is also offered via distance learning. The Veterinary Technology Program at Purdue is the only such program in the state of Indiana and one of only two AVMA programs administered by a school of veterinary medicine. See [www.vet.purdue.edu/admissions](http://www.vet.purdue.edu/admissions).

### ***The Graduate School***

All programs of graduate study and research leading to advanced degrees are under the Graduate School's jurisdiction. Programs of study lead to the degrees of Doctor of Philosophy, Doctor of Audiology, Doctor of Nursing Practice, Educational Specialist, Master of Arts, Master of Arts in Teaching, Master of Fine Arts, Master of Business Administration, Master of Science, and

Master of Science in various professional fields. More than 70 robust programs with research- and practice-oriented curricula are available in options that include the sciences, arts, engineering, agriculture, management, and humanities as well as exciting interdisciplinary programs. The Graduate School also offers several graduate-level, academic credit certificate programs. See [www.gradschool.purdue.edu](http://www.gradschool.purdue.edu).

## **The Profession of Pharmacy**

Pharmacists work closely with the physician, other health professionals, and the patient to help assure appropriate use of an ever-increasing spectrum of effective medications. A particular emphasis is educating and motivating patients with respect to the management of their drug therapy as related to their particular medical condition. Overall, the pharmacist is expected to provide pharmaceutical care that helps ensure that drug therapy is appropriate, safe, effective for the condition being treated, and cost-effective.

During this decade, the trend toward the pharmacist being a provider of a wide range of pharmacy services will continue to be enhanced, especially in view of rapid advances in biotechnology and the use of technology. The pharmacist will use available patient data, information sources, monitoring processes, and interpretive skills toward achieving the goals of optimal use and optimal outcomes from patients' medications.

The pharmacy profession provides opportunities for pharmacists in hospital pharmacy,

community pharmacy (chain or independently owned), home health care, long-term care (e.g., nursing homes), nuclear pharmacy, pharmaceutical industry (including areas of research, drug development, clinical trials, quality control, production, marketing, and regulatory affairs), and specialty clinical practice areas (e.g., cardiology, cancer chemotherapy, nutritional support, drug information, pharmacokinetics, geriatrics, pediatrics, and others).

The professional curriculum leading to the Doctor of Pharmacy (Pharm.D.) provides the educational background to allow students to enter any of the practice areas of pharmacy. The curriculum also prepares a student to enter advanced study leading to the M.S. or Ph.D. degree in one of the pharmaceutical sciences (e.g., clinical pharmacy, medicinal chemistry, pharmacognosy, pharmacology, toxicology, physical pharmacy, industrial pharmacy, pharmacokinetics, or pharmacy administration), and post-graduate residency programs in general or specialty practice areas.

## **The College of Pharmacy, Nursing, and Health Sciences**

The College of Pharmacy, Nursing, and Health Sciences brings together, in one interdisciplinary organization, the various academic units on campus directly concerned with education in human health-care services. These schools provide the state of Indiana with qualified graduates in the respective health fields and accommodate anticipated growth in the diversified areas related to health-care services.

Each of the three schools—Pharmacy and Pharmaceutical Sciences, Nursing, and Health Sciences—operates as a self-managed school. The dean of the combined schools is Prof. Craig Svensson, who is also the dean of the School of Pharmacy and Pharmaceutical Sciences. Prof. Julie C. Novak is the head of the School of Nursing, and Prof. George A. Sandison is the head of the School of Health Sciences.

## School of Pharmacy and Pharmaceutical Sciences

The Purdue University School of Pharmacy was established in 1884 in response to a demand for a theoretical education and practical training in pharmacy and related subjects. This school has served the people of Indiana for more than a century, standing always in the front ranks of the schools preparing men and women for the profession.

More than 7,000 students have graduated from the school and are pursuing the professions of pharmacy, medicine, teaching, and science. Among its graduates are many of the nation's prominent pharmacists, pharmaceutical scientists, and leaders in pharmacy education.

The School of Pharmacy and Pharmaceutical Sciences offers two entry-level degrees: the Doctor of Pharmacy and the Bachelor of Science in the Pharmaceutical Sciences. The Doctor of Pharmacy program qualifies the graduate for licensure examination. The four-year Bachelor of Science program, with a major in the pharmaceutical sciences, provides students with a specialized background to pursue graduate study, professional degree in medicine, or directly enter a technical career in the pharmaceutical industry.

The Pharm.D. program requires completion of a minimum of two years of preprofessional study before admission to the professional program. Four additional years of professional study are required to complete the Pharm.D. degree.

Majors and minors for the degrees of Master of Science (M.S.) and Doctor of Philosophy (Ph. D.) are offered in the School of Pharmacy and Pharmaceutical Sciences under the direction of the Graduate School of the University. Each of the undergraduate degrees opens the way to many advanced fields of study. Qualified graduates find ready acceptance into graduate programs in the pharmaceutical sciences and other disciplines, leading to opportunities to discover or create new drugs, determine how they act, measure their potency and effectiveness, and evaluate professional use and economic impact in the health-care system.

### Accreditation and Recognition

The Doctor of Pharmacy program of the Purdue University School of Pharmacy and Pharmaceutical Sciences is accredited by the American Council on Pharmaceutical Education, 311 West

Superior Street, Suite 512, Chicago, IL 60610, (312) 664-3575, (800) 533-3606; fax, (312) 664-4652. The school holds membership in the American Association of Colleges of Pharmacy. It is registered with the New York Department of Education, and its diploma is recognized by all of the states. It also is recognized by the American Council on Pharmaceutical Education as an approved provider of continuing professional education.

### Vision and Mission

The following statements of vision and mission have been adopted by the faculty of the School of Pharmacy and Pharmaceutical Sciences.

The School of Pharmacy and Pharmaceutical Sciences in the 21st century will continue to be dedicated to educating pharmacists so they enter the profession providing pharmaceutical care to patients both as individuals and as populations. This will require a strong foundation in the pharmaceutical sciences to serve as the basis for problem-solving in professional practice. All instruction will take place in an environment that emphasizes curiosity, scientific method, creative thinking, problem solving, and effective verbal and written communication. There will be an emphasis on functioning as a professional in pharmacy throughout the curriculum. Experiential instruction will be initiated in institutional settings where care of specific populations of patients is best learned and will be extended to community and long-term care facilities where most patients receive care.

A second thrust to be continued into the 21st century is the integrated interdisciplinary approach to research and graduate training in the pharmaceutical sciences. This thrust will be in two basic areas. The first is research at the interface between chemistry and biology that can be addressed using chemical and biological tools to investigate phenomena at the cellular and subcellular level. Much of it will be mechanism based. The second area is more related to the physical sciences and will emphasize drug delivery, product development, materials science, processing, and manufacturing of pharmaceuticals. Graduate education in both areas will be based on a broad multidisciplinary foundation with in-depth research into one or two specific areas. This will require a unification of the basic

science faculty into one facility so that cross-disciplinary communication can be extended. It will also involve centralization of the use of financial and human resources to attain maximum flexibility in a time of rapid change in the support of biomedical research.

A third thrust will be for the school to serve as a catalyst to advance the practice of pharmacy within Indiana. It is our vision that each citizen will have access to pharmaceutical care that will be part of comprehensive drug therapy management. Every pharmacist will work together with physicians, nurses, and other health care providers to assure that optimal drug therapy is achieved. In addition, faculty of the school will work with Medicaid and managed health care organizations to assure the delivery of pharmaceutical care to specific populations of patients. Part of the responsibility for advancing the practice of pharmacy in the state will be to educate practitioners to the level of our current Pharm.D. graduates in the ability to deliver pharmaceutical care. This will require an increase in traditional and nontraditional approaches to a Pharm.D. education.

The missions of the School of Pharmacy and Pharmaceutical Sciences are to: (a) advance and foster innovation in the practice of pharmacy; (b) provide a professional program—including general, scientific, and patient-centered education—that prepares doctor of pharmacy graduates to deliver effective and efficient pharmaceutical care; (c) provide a bachelor of science in pharmaceutical sciences program that enables the student to have fundamental

understanding of the disciplines upon which the pharmaceutical industry is based; (d) provide graduate programs that enable qualified students to acquire more extensive knowledge in the pharmaceutical and related sciences and skills in scientific research in order to function as educators and scientists in higher education, government service, the pharmaceutical industry, and the health care industry; (e) develop and conduct specific research and service programs to discover new knowledge, meet the strategic research objectives, and address the health care needs of society in general, the state of Indiana, and the practice needs of pharmacists and other health professionals; and (f) develop a sense of ethical responsibility, professionalism, and a commitment to lifelong learning among graduates.

## Academic Honesty

Within a professional school, such as the School of Pharmacy and Pharmaceutical Sciences, demonstrated academic honesty under the pressures of a rigorous program must be considered one of the foundations of personal and professional character. Pharmacists are called upon regularly to exercise competent judgment based on intellectual abilities and honesty. The pharmacist's license confers that responsibility, and our school—in certifying graduates for licensure examination—attests to that competency and honesty. For this reason, it is important for students in the school to maintain scrupulous honesty in all academic matters.

## Admissions

### Admissions Inquiries and Procedures

All inquiries about admissions (whether you are entering from high school, transferring from another institution, or re-entering after being out of school) should be addressed to: Office of Admissions, Purdue University; Schleman Hall; 475 Stadium Mall Drive; West Lafayette, IN 47907-2050; [admissions@purdue.edu](mailto:admissions@purdue.edu); (765) 494-1776.

Your first inquiry concerning admission should include (1) the amount of education you have completed; (2) your plans for further education, indicating your area of interest;

and (3) the approximate date of your entrance to Purdue.

When you are entering directly from high school, the Office of Admissions suggests that you file your application for admission early in your senior year. Transfer students should apply as early as possible.

### Campus Visits

A visit to the campus and an interview with an admissions counselor will help you determine which educational programs at Purdue are in keeping with your educational background and your future career interests. Such a campus visit

is especially appropriate during your junior year in high school.

The Office of Admissions is open each weekday from 8:00 a.m. to 5:00 p.m. No appointment is necessary; however, if you would like a tour of the campus, contact the Office of Admissions before your visit.

Students interested in Purdue have a variety of opportunities to visit the campus. Some programs, such as Fall Preview Days and Introducing Purdue, offer more formal agendas that include admissions presentations, school and program sessions, and campus tours. Prospective students and their families also can make individual visits; the Office of Admissions offers multiple visit sessions on a daily basis, Monday through Friday, including walking tours of campus. Students planning a visit to campus should first contact the Office of Admissions or visit the Admissions Web site—[www.purdue.edu/Admissions/Undergrad](http://www.purdue.edu/Admissions/Undergrad)—for further information.

## Core 40 — Indiana Students

Purdue University applauds the state's efforts to strengthen Indiana's high school students' academic preparation and encourages all students to complete the Core 40 requirements. In addition to considering high school courses, Purdue will continue to use other factors such as grade point average, class rank, trends in achievement, honors courses, and test scores when reviewing applications for admissions. We will evaluate applicants on an individual basis and in relation to their requested majors. Program limitations also will continue to be a factor in admission to certain majors.

## Prepharmacy Requirements

Students who expect to apply eventually for admission to the Doctor of Pharmacy or the B.S. in the Pharmaceutical Sciences (B.S.P.S.) program should enroll as freshmen in the pre-pharmacy or pre-B.S.P.S. program, respectively, within the School of Pharmacy.

## Admission to the Prepharmacy or pre-B.S.P.S. Program

Your admission as a new student into the School of Pharmacy and Pharmaceutical Sciences at Purdue is determined by a holistic review that

evaluates rank in class, test scores, ability to be successful, grade average in college preparatory subjects, grades in courses related to the degree objective, trends in achievement, completion of minimum high school subject matter expectations (see table), the strength of the college preparatory program, personal attributes, and information provided by your high school counselor. All applicants who have not completed a full year of college work are required to provide SAT or ACT scores (including the writing sections of these tests). Students are encouraged to take either the SAT or ACT in the spring of their junior year. All applicants must graduate high school or have a GED.

Most applicants to the prepharmacy or pre-B.S.P.S. program in the School of Pharmacy exceed the minimum expectations in the following table.

Subjects	Minimum Semester Expectations
English	8
Academic math*	6
Laboratory science† (2 sem. must be biology, 2 sem. must be chemistry)	6
Foreign language	4

\* Includes algebra, geometry, trigonometry, calculus, etc.

† Includes biology, chemistry, physics, earth/space science, physiology/anatomy, etc.

Because this catalog is used for two to three years, you should refer to [www.purdue.edu/Admissions/Undergrad](http://www.purdue.edu/Admissions/Undergrad) for the most current and accurate information about admission to the School of Pharmacy and Pharmaceutical Sciences.

## Advance Deposit on Fees

If you are a new student admitted for the fall semester, you must make a nonrefundable advance deposit of \$100. This deposit is to reserve a place for you on the new student roster. Students admitted on or before April 10 must submit the deposit by May 1. Those admitted after April 10 must submit the deposit within three weeks (21 days) after the date of the offer of admission.

If you receive an offer of admission but fail to make the required deposit of \$100 within the time allotted, you automatically forfeit your right to a place on the new student roster.

The \$100 advance deposit will be applied to your first semester fees and is not associated with your University housing application or contract.

## Early Enrollment for Superior Students

If you are a high school student with a highly superior scholastic record during the first three years of high school, you may qualify for admission to Purdue without high school graduation.

The regular entrance requirements are supplemented by certain objective measurements of your qualification to advance to the university level. In this way, the University tries to recognize and provide for individual rates of learning and achievement.

As a nongraduate of high school, you will be considered for admission if you (1) have earned 12 or more credits toward graduation; (2) have a highly superior school record; (3) are strongly recommended by your principal; (4) have the approval of your parents for college entrance without high school graduation; (5) qualify by your performance on prescribed admissions tests; and (6) are approved by the University Admissions Committee.

Purdue cannot guarantee high school diplomas under this arrangement, but it cooperates with whatever arrangement the state or local school system may have for awarding a high school diploma to a successful participant in this plan.

## Transfer Admissions

College transfer students who want to apply for Purdue's prepharmacy or pre-B.S.P.S. programs should contact the Office of Admissions or visit the Admissions Web site, [www.purdue.edu/futureboilemaker](http://www.purdue.edu/futureboilemaker) for more information about transfer criteria.

## Admission with Advanced Standing

On the basis of your CEEB Advanced Placement Examination, Purdue advanced credit examination, or high school record, you, as a first-year student, may receive advanced credit and/or advanced placement.

## Transfer (or Advanced) Credit

Credit for courses at Purdue University will be given for work of equivalent character and amount successfully completed at another accredited college. Advanced standing will be determined on the basis of these credits. Advanced credit will be regarded as provisional and may be withdrawn by the director of admissions upon recommendation of the head of the department concerned if dependent work is not satisfactorily completed.

Purdue University is a supporter of and a participant in the Indiana Core Transfer Library (CTL), a growing list of courses that will transfer from one public Indiana institution to another. As the Core Transfer Library is developed, information will be available at [www.che.state.in.us](http://www.che.state.in.us).

When credit earned at another college or university is transferred to Purdue and accepted toward advanced standing, the credit is converted into terms of Purdue courses and applied to the program of study. It remains for you, the student, to complete the program, and your schedule of courses each term will be adjusted accordingly. It does not follow that your classification at Purdue or the time necessary for completion of the required work for a degree will be in line with what was expected at the previous institution. Grades are not transferred; only credits in courses are recorded.

Students participating in college-credit courses taught concurrently for high school and college credit during the regular school day by local high school teachers must validate the credit by submitting satisfactory results on the College Board Advanced Placement Examination or the Purdue advanced credit examination, as determined by the subject department. The determination of use of transfer credit in part or in full to satisfy graduation requirements is the responsibility of the school head or his or her designated representative, in accordance with the regulations of the University faculty.

All credentials are submitted with the understanding that they become the property of Purdue University.

## Early Registration — Day on Campus

The Student Access, Transition and Success Programs and the Office of Admissions invite you to campus for one day of early registration during the summer before your first semester as a

new student. This day is set aside for you to meet with your academic counselor and to select your first-semester classes. The University then will proceed with the registration process and mail you a fee statement and your class schedule.

## Student Orientation and Support Programs

Student Access, Transition and Success Programs (SATS) is responsible for the coordination of initiatives that help students prepare for, transition into, and succeed in Purdue University's academically rigorous environment.

SATS, a division of the Office of Enrollment Management, offers several programs to help beginning and transfer students adjust to Purdue. Boiler Gold Rush is for new, beginning students and includes a variety of activities designed to help them make a smooth transition into Purdue. Students who begin their studies at other times of the year also have the opportunity to participate in orientation. Invitations to those different programs are mailed to the students at the appropriate times.

SATS programs include Day on Campus, Learning Communities, Orientation Programs (such as Boiler Gold Rush and Welcome Programs), Parent and Family Programs, the Purdue Opportunity Awards program, the Purdue HelpDesk, and the West Central Indiana regional Twenty-first Century Scholars site. For more information on any of these programs, please visit [www.purdue.edu/sats](http://www.purdue.edu/sats), e-mail [sats@purdue.edu](mailto:sats@purdue.edu), or phone (765) 494-9328. The SATS address is Stewart Center, Room G77; 128 Memorial Mall Drive; West Lafayette, IN 47907.

## Nondegree Students

If you are an adult living near one of Purdue's campuses and you want to take a course at the University without seeking a degree or following a regular plan of study, you can apply for admission as a nondegree student. You must show that you have the background and course prerequisites necessary for the course or courses in which you are interested. The Office of Admissions will advise you on admissions procedures.

## International Students

If you are an applicant from another country, your application and supporting documents will be evaluated by the staff in the Office of International Students and Scholars. You will be admitted on the basis of credentials certifying the completion of preparatory studies comparable to requirements for United States citizens applying at the same entry level. Guidelines for determining admissibility are specified in the "Admissions Criteria" section of this publication. English translations must accompany transcripts and other credentials. You also must submit satisfactory evidence of your ability to comprehend English as shown by a TOEFL (Test of English as a Foreign Language) score of at least 550 (213 computer-based score, 79 Internet-based score). The minimum score for First-Year Engineering applicants is 567 (233 computer-based score, 88 Internet-based score).

You must furnish sufficient evidence of adequate financial support for your studies at Purdue.

The Office of International Students and Scholars will assist you in entering the United States and the University. The office also will provide other services such as orientation programs, immigration advising, and personal and cross-cultural counseling. See the Web site at [www.iss.purdue.edu](http://www.iss.purdue.edu).

## Military Training

Reserve Officers' Training Corps (ROTC) is available for all men and women who are full-time students. You can pursue military courses in conjunction with the academic curriculum and receive academic credits. If you complete the program, you will receive a commission as an officer in the Army, Navy, Marine Corps, or Air Force. You do not incur a commitment until you are accepted into the program and enroll in the third-year course or accept an ROTC scholarship. Scholarships that assist with tuition, incidental fees, and textbooks are available through all four services. A monthly allowance is available for students who sign a contract. Additional information is available in the College of Liberal Arts catalog, or you can contact any of the military departments directly. All ROTC offices are located in the Armory.

## Time of Entrance

Purdue University offers instruction during two semesters and summer session. You can begin most programs of study with any semester or during the summer. The semesters start in August and January, and the summer modules begin in May, June, and July. Students may begin the following programs only at the times stated: flight, nursing, and the Undergraduate Studies Program, fall; the specific veterinary technology program you are interested in will determine when you may begin your studies.

## Proof of Immunization

Indiana state law requires proof of immunization for the following vaccine preventable diseases as condition of enrollment on residential campuses of state universities: measles, mumps, rubella, diphtheria, and tetanus. In addition, international students must provide documentation that they have been tested for tuberculosis after arriving in the United States. Information regarding compliance will be forwarded to all admitted students.

## The Purdue Statewide Academic System

### *Admission to Another Purdue Campus*

Purdue's educational system provides students access to a full complement of the University's faculty, resources, and academic programs. Whether you're enrolled at Calumet, Fort Wayne, North Central, or West Lafayette, you can pursue a degree from Purdue University and fulfill your career aspirations.

As one of the nation's top research institutions, Purdue is recognized around the world for the quality of its programs and its graduates. When you pursue your goals at a Purdue campus, you'll earn your share of that reputation. You'll enjoy all the challenges as well as the benefits and rewards associated with a preeminent university. Purdue University's quality is available across the state, and the primary goal of each campus is to help each student excel through discovery, learning, and engagement.

For information about what is offered at each Purdue University campus, use the following contact list.

<b>Calumet</b>	<a href="http://www.calumet.purdue.edu">www.calumet.purdue.edu</a> <a href="mailto:adms@calumet.purdue.edu">adms@calumet.purdue.edu</a>
<b>Fort Wayne</b>	<a href="http://www.ipfw.edu">www.ipfw.edu</a> <a href="mailto:ASK@ipfw.edu">ASK@ipfw.edu</a>
<b>North Central</b>	<a href="http://www.pnc.edu">www.pnc.edu</a> <a href="mailto:admissions@pnc.edu">admissions@pnc.edu</a>
<b>West Lafayette</b>	<a href="http://www.purdue.edu">www.purdue.edu</a> <a href="mailto:admissions@purdue.edu">admissions@purdue.edu</a>

There also are Purdue programs at Indiana University-Purdue University Indianapolis. Go to [www.iupui.edu](http://www.iupui.edu) for more information.

### *Admission to the College of Technology — Statewide*

The College of Technology resides in 10 Indiana communities in addition to the West Lafayette campus. A unique partnership of education, business, industry, and government, these community-based locations feature quality curriculum requirements, faculty who are as highly qualified as their West Lafayette campus peers, low student-to-faculty ratios, and the opportunity to earn a degree from Purdue University.

Technology programs at all locations emphasize hands-on, real-world applications to engineering principles. Students learn marketable skills to meet the defined needs of Indiana business and industry. Purdue Technology graduates are well prepared for immediate employment and enjoy one of the University's highest job-placement rates and some of the highest starting salaries for undergraduate majors.

In addition to academics, these College of Technology locations offer opportunities to get involved in on-campus and community activities. They also provide a full range of student services to ensure a rewarding college experience and future success.

The College of Technology Web site is [www.purdue.edu/technology](http://www.purdue.edu/technology). For information about what is offered at each location, contact the Office of Admissions on the West Lafayette campus at [admissions@purdue.edu](mailto:admissions@purdue.edu) or the location that interests you. The following list provides contact information for each location.

**West Lafayette**  
Niaz Latif  
(765) 494-1101  
[latif@purdue.edu](mailto:latif@purdue.edu)

**Anderson**

319 Cottage Avenue  
Anderson, IN 46012-3404  
Phone: (765) 641-4551  
E-mail: techanderson@purdue.edu

**Columbus**

4555 Central Avenue, Suite 1200  
Columbus, IN 47203-1892  
Phone: (812) 314-8526  
E-mail: techcolumbus@purdue.edu

**Greensburg**

422 East Central Avenue, Suite 2  
Greensburg, IN 47240-1834  
Phone: (812) 622-8686

**Indianapolis**

2175 South Hoffman Road  
Indianapolis, IN 46241-3650  
Phone: (317) 484-1824  
E-mail: techindianapolis@purdue.edu

**Kokomo**

2300 South Washington Street  
Kokomo, IN 46904-9003  
Phone: (765) 455-9339  
E-mail: techkokomo@purdue.edu

**Lafayette**

5500 State Road 38 East, AD 2900  
Lafayette, IN 47903-9405  
Phone: (765) 496-6886  
E-mail: techlafayette@purdue.edu

**Muncie**

Ball State University AT 223  
Muncie, IN 47306-0256  
Phone: (765) 285-5554

**New Albany**

4201 Grant Line Road  
New Albany, IN 47150-2158  
Phone: (812) 941-2353  
E-mail: technewalbany@purdue.edu

**Richmond**

Indiana University  
2325 Chester Boulevard  
Richmond, IN 47374-1220  
Phone: (765) 973-8228  
E-mail: techrichmond@purdue.edu

**South Bend**

1733 Northside Boulevard  
South Bend, IN 46634-7111  
Phone: (574) 520-4180  
E-mail: techsouthbend@purdue.edu

**Readmission**

Students who are dropped from Purdue University for academic deficiency must be out of the University for at least one semester (not including summer session) and must apply for readmission through the Office of the Dean of Students. There are deadlines for submitting an application with a \$100 fee, and for removing all encumbrances. A student may strengthen his or her application by submitting evidence of successful coursework from another institution. Information about the readmission process is available from the Office of the Dean of Students; Schleman Hall; 475 Stadium Mall Drive; West Lafayette, IN 47907-2050; (765) 494-1747.

**Admission to the Bachelor of Science in the Pharmaceutical Sciences Program**

You should be aware of the following for Admission to the Bachelor of Science in the Pharmaceutical Sciences (B.S.P.S.) Program:

1. Beginner students enrolled in the pre-B.S.P.S. major in the School of Pharmacy may apply for admission to the pharmaceutical sciences major after having successfully completing the first two years of the pharmaceutical sciences curriculum. Applicants must earn a minimum GPA of 3.0 with fewer than four grades of C in the core sciences (i.e. biology, chemistry, math, physics, and statistics).
2. Requests for admission into the Pharmaceutical Sciences Program are due May 1 of each year and students are allowed to enter the program on a space-available basis. The school reserves the right to limit the number of students admitted to the Pharmaceutical Sciences Program in any given semester.
3. Additional information about admission to the Pharmaceutical Sciences Program can be found at [www.pharmacy.purdue.edu/academics/bsps](http://www.pharmacy.purdue.edu/academics/bsps).

## Admission to the Professional Program in Pharmacy

You should be aware of the following admissions and residency provisions:

1. The professional program of the School of Pharmacy requires two years of prepharmacy coursework plus four years of professional study in the Doctor of Pharmacy (Pharm.D.) program. Because of enrollment limitations in the professional program, students who have completed the prepharmacy years at Purdue or elsewhere cannot be assured of admission to the School of Pharmacy and Pharmaceutical Sciences.
2. Students who select appropriate courses can take the first two years of the curriculum at other Purdue campuses or other colleges.
3. Students will enter the professional program of study in the School of Pharmacy and Pharmaceutical Sciences only at the beginning of the fall semester of each academic year.
4. Students applying for admission into the professional program leading to the Doctor of Pharmacy (Pharm.D.) must complete an application through the Pharmacy College Application Service, known as PharmCAS, and a supplemental Purdue application. Purdue's PharmCAS deadline is December 1 for admission to the entering class the following fall semester. The PharmCAS application is available through the PharmCAS Web site at [www.PharmCAS.org](http://www.PharmCAS.org). The supplemental Purdue application is also due December 1 for admission to the entering class that fall. This supplemental application is available at [www.pharmacy.purdue.edu](http://www.pharmacy.purdue.edu).
5. All prepharmacy coursework as determined by the Admissions Committee must be completed before actual admission into the school's professional program. All students selected for entry to the school in August will be admitted specifically into the first professional year of the Pharm.D. program. This program builds upon a minimum of two years of required preprofessional study.

The Admissions Committee has established the following attributes for assessment and selection of applicants for admission into the school's Pharm.D. professional program:

1. Evidence of academic readiness for, and commitment to, growth in the learning goals of the school's professional curricula.

2. Evidence of human service orientation and leadership experience.
3. Evidence of quality verbal and written communication as well as interpersonal capabilities.
4. Evidence of initiative to learn about pharmacy and career path options.

Sources of information used in assessing applicants in regard to these attributes include:

1. Academic performance in all coursework taken after high school, with particular attention given to grades received in chemistry, biology, physics, and math (because of their relationship to assessing analytical problem-solving abilities), and patterns of course withdrawals and course repeats.
2. Applicant-supplied information and statements on the application form.
3. Recommenders' statements.
4. Personal interview with representatives of the Admissions Committee. Each applicant given final consideration for acceptance will be interviewed at least once by one or two faculty or staff members.
5. Extemporaneous writing and verbal communication exercises.
6. Applicant's initiative to seek out firsthand knowledge about various pharmacy practice environments.
7. Completeness of application forms.

The Admissions Committee will select the best qualified applicants for the Pharm.D. program based on a composite assessment of the stated characteristics desired in students admitted to this professional program.

Given the highly integrated nature of the Pharm.D. program and the differential tuition that it is necessary to charge Pharm.D. students, the school has established a policy of admitting first professional degree Pharm.D. students only into the first semester of that program.

## Plan of Study for the Prepharmacy Program at Other Colleges or Universities

You can complete two years of prepharmacy courses at another campus. Specific prepharmacy courses at other partner colleges or universities with whom Purdue has an approved plan of study can be found at: [www.pharmacy.purdue.edu/students/transfer.php](http://www.pharmacy.purdue.edu/students/transfer.php). The following plan of study is specifically designed for those

who expect to apply for admission to the School of Pharmacy and Pharmaceutical Sciences at the Purdue University West Lafayette campus:

### ***Prepharmacy Year***

- General chemistry with laboratory (8–10 semester hours)
- English composition (4–6 semester hours)
- Organic chemistry with laboratory (8–10 semester hours)
- General biology with laboratory (6–8 semester hours)
- Differential and integral calculus (6–10 semester hours)
- Physics with laboratory (4 semester hours)
- Microbiology with laboratory (4 semester hours)
- Anatomy and physiology with laboratory (6–10 semester hours)
- General economics (3 semester hours)

## **General Education Requirements**

The prepharmacy curriculum provides for at least an additional nine credits of elective opportunities that must be selected from general education-approved courses. The General Education Subcommittee of the Curriculum Committee is appointed to identify related groupings of courses that contribute to this general education outcome as follows:

1. Courses that contribute to the student's development as an informed and participating member of society and the profession of pharmacy.
2. Courses that are sufficiently broadening and challenging to contribute appropriately to the student's development in the general outcome abilities adopted by the faculty as curriculum goals.

The general education breadth requirement will be satisfied by student selection of a minimum of one course from each of three course groupings.

The professional curriculum of the school also enables students to continue to develop these general education outcomes. The faculty responsible for the school's professional courses will build upon the students' conceptual background and communication abilities that are expected from their general education experiences. Within their professional education, students will be encouraged to develop a well-rounded perspective as a framework for

comprehensive analysis of societal issues as they affect health problems, health care, and social services.

## **Computer Competencies for Students Entering a Pharmacy School Curriculum**

All students entering the school's professional programs will be expected to have the following minimal competencies in the use of computers:

1. A student should be familiar with the basic operations of personal computer use and file management.
2. A student should have hands-on familiarity with business-oriented applications such as word processing, spreadsheets, or a database.

These competencies will be assumed by instructors in the school's courses.

## **Academic Standards Policies**

To facilitate assessment of student progress in the core curriculum, a professional grade point average (GPA) representing core course grades (not including electives) will be computed each semester for each student in the Pharm.D. program. This core course grade point average will be calculated beginning with the grades earned during the first semester of the first professional year. For students enrolled in the B.S. in the Pharmaceutical Sciences program, the core course GPA is calculated on the basis of all core science courses taken in the final two years of the curriculum (i.e., after the student officially enters the program). A minimal semester and cumulative GPA of 2.0 out of a possible 4.0 in core courses will be required for a student to remain in good academic standing in the School of Pharmacy and Pharmaceutical Sciences.

A student whose semester or cumulative core course GPA falls below this level at the end of a given semester will be placed on academic probation by the school. If a student receives any combination of the two or more D or F grades during a semester in core courses, the student, regardless of semester GPA, will be placed on probation by the school. Two consecutive semesters with either a semester or cumulative core course GPA below 2.0 or receipt of any combination of two or more D or F grades in core courses during a semester when a student is on probation will result in dismissal

from the program. A student who is dropped in accordance with the above policy may apply for readmission to the program through the school's Readmissions Committee. A minimum cumulative core course GPA of 2.0 also will be required of each student certified for graduation from the pharmacy programs. Additional information about academic standards policies is contained in the Pharmacy Student Handbook.

## Nondiscrimination Policy Statement

Purdue University is committed to maintaining a community which recognizes and values the inherent worth and dignity of every person; fosters tolerance, sensitivity, understanding, and mutual respect among its members; and encourages each individual to strive to reach his or her own potential. In pursuit of its goal of academic excellence, the University seeks to develop and nurture diversity. The University believes that diversity among its many members strengthens the institution, stimulates creativity, promotes the exchange of ideas, and enriches campus life.

Purdue University views, evaluates, and treats all persons in any University related activity or circumstance in which they may be involved, solely as individuals on the basis of their own personal abilities, qualifications, and other relevant characteristics.

Purdue University prohibits discrimination against any member of the University community on the basis of race, religion, color, sex, age, national origin or ancestry, marital status, parental status, sexual orientation, disability, or status as a disabled or Vietnam era veteran. The University will conduct its programs, services and activities consistent with applicable federal, state and local laws, regulations and orders and in conformance with the procedures and limitations as set forth in Executive Memorandum No. D-1 which provides specific contractual rights and remedies. Additionally, the University promotes the full realization of equal employment opportunity for women, minorities, persons with disabilities and Vietnam era veterans through its affirmative action program.

## Expenses

The cost of attending Purdue University varies, depending on a variety of factors, including where a student chooses to live; travel expenses;

food costs; enrollment in a special program, date of entry, the college or school you are enrolled in, etc. Basic minimum costs for the two-semester

### 2006–07 Estimated Costs West Lafayette Campus (Fall and Spring Semesters)

Items	Indiana Resident	Nonresident
Tuition/Fees	\$6,846* †	\$21,016* †
Room/Board	7,140	7,140
Books/Supplies	990	990
Travel	270	420
Miscellaneous	<u>1,650</u>	<u>1,650</u>
<b>Total</b>	<b>\$16,896</b>	<b>\$31,216</b>

\* *First-time students enrolled at the West Lafayette campus beginning in the Fall 2002 Semester and thereafter pay these fees. Undergraduate, graduate, and professional students who were enrolled as degree-seeking students in the Spring 2002 Semester on the West Lafayette campus may be eligible for a lower fee. To maintain eligibility for a lower fee, students must be continuously enrolled (Fall and Spring semesters); eligible students will pay a lower fee until the date of attainment of one degree or until the Fall 2007 Semester, whichever comes first. Beginning in the Fall 2006 Semester, students who enroll for a new degree-seeking program will be assessed a campus repair and rehabilitation fee. That fee, as approved by the Board of Trustees, is also retroactive for students who enrolled as new degree-seeking students in Summer 2006.*

† *Your budget can vary, depending on your state of residence and the type of housing and academic program you select. Some programs have additional fees: Engineering, \$600; Management, \$936; Flight, individual courses in the program have additional fees that can be reviewed at [www.purdue.edu/bursar](http://www.purdue.edu/bursar) or by contacting the Department of Aviation Technology. International students pay an additional \$50 per semester.*

*Rates and refund schedules are subject to change without published notice.*

ter 2006–07 school year on the West Lafayette campus are shown in the table on page 18. Some academic programs may have additional fees. Contact the department if you have questions.

Full-time students are charged a general service fee, a technology fee, and a repair and rehabilitation fee. The general service fee provides students with access to a variety of services and privileges such as access to the Recreational Sports Center and the Boilermaker Aquatic Center for recreational sports activities. It also allows deep-discount ticket prices for most Convocations-sponsored events and for Intercollegiate Athletics contests with presentation of a student ID card.

With payment of full fees, students have access to the Purdue Student Health Center that covers medical clinical office visits, nutrition consultations, health education services, and a limited number of sessions for psychological counseling. Additional fees are charged for lab, x-ray, urgent care, physical therapy, and other services.

The technology fee is used to enhance student access to the campus networks, computer laboratories, and electronic access to information and databases. Technology fee funds are used to equip classrooms with computer and video projection equipment.

Beginning in the Fall 2006 Semester, students who enroll for a new degree-seeking program will be assessed a repair and rehabilitation fee. (The fee is retroactive for students who were enrolled as new degree-seeking students in Summer 2006.) This fee is assessed to address maintenance funding for buildings and infrastructure on campus, and funds received from the fee will be dedicated to building and infrastructural needs. The establishment of the fee is a result of growing unfunded needs to address critical building and infrastructural upkeep.

Miscellaneous personal expenses include such items as clothing, transportation, telephone, news-

papers and magazines, dry cleaning and laundry, entertainment, etc.

## Refunding of Fees and Tuition

Registered students who find it necessary to cancel their registration before the beginning of classes, upon the recommendation of the registrar, will receive a 100 percent refund of all fees and tuition.

### *Non-Title IV Aid*

Students who withdraw during the first six weeks of a semester, with the recommendation of the registrar, will receive a partial refund of the general service fee and tuition. More specifically, the percentage of refund is determined as follows:

#### **Fall or Spring Semester**

1. Withdrawal during the first or second week, 80 percent refund
2. Withdrawal during the third or fourth week, 60 percent refund
3. Withdrawal during the fifth or sixth week, 40 percent refund

No portion of the technology, or repair and rehabilitation fees, or academic building facilities fee will be refunded once classes begin.

### *Title IV Aid*

Once classes begin, refunds are prorated based on the date of withdrawal from class(es). Refunds are based on a diminishing scale through 60 percent of the semester. Refunds are calculated on all fees and tuition.

### *Summer Modules*

Refunds for summer modules are proportionate on the same basis as semester refunds.

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## Financial Aid

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Purdue University recognizes that not all students and their parents can afford to finance a college education entirely from their income and assets. To ensure that all students have an opportunity to obtain a college education regardless of their financial circumstances, the University, through the Division of Financial Aid, administers a fourfold program of scholarships, grants, employment opportunities, and loans.

The Purdue University Division of Financial Aid administers federal, state, and University financial assistance programs. These programs require students to have a high school diploma or GED. Information regarding the GED is available through any public high school or any state department of education/public instruction.

Most types of aid are based upon financial need and satisfactory academic progress. To be considered for all types of financial aid, you must submit a Free Application for Federal Student Aid (FAFSA). This form should be submitted online at [www.fafsa.ed.gov](http://www.fafsa.ed.gov) or can be obtained from the Division of Financial Aid; Schleman Hall of Student Services, Room 305; 475 Stadium Mall Drive; West Lafayette, IN 47907-2050.

You should apply early for Purdue University financial aid. Eligible FAFSAs postmarked

by March 1 will receive preference in the awarding of aid.

You are welcome to visit the campus to discuss not only family budgeting in order to meet college expenses, but also the types of available aid and the application procedure.

Walk-in counselors are available from 9:00 a.m. to 5:00 p.m. on Monday, Tuesday, Wednesday, and Friday, and from 1:00 to 5:00 p.m. on Thursday. Phone counselors are available from 8:00 a.m. to 5:00 p.m. Monday through Friday at (765) 494-0998. Computer access to your aid status is available at [www.ssinfo.purdue.edu](http://www.ssinfo.purdue.edu).

## Resident Assistants

University Residences has a plan whereby graduate and undergraduate students who are at least 21 years of age by the end of their first semester of employment with University Residences can be hired as a resident assistant (RA). An RA devotes approximately 20 hours each week to his or her duties in this capacity, with most of the time scheduled during evenings and weekends. Compensation for an RA position includes reduced tuition, room and board, and a small stipend. Applications and additional information for those interested in becoming a resident assistant can be found at [www.housing.purdue.edu](http://www.housing.purdue.edu).

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## Living Accommodations

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University housing facilities and programs are available to all students based on Purdue's policy of equal opportunity regardless of national origin, race, or religion. It is the University's desire and expectation that all others providing housing or services to Purdue students will do so in a manner consistent with this policy. However, the University does not approve or disapprove specific housing accommodations since it believes that the choice of housing rests with you, the student.

As a Purdue student, you have a variety of choices when it comes to choosing your new home while attending school. You can live in one of 14 University Residences, a fraternity or sorority house, cooperative housing, or in a privately operated facility within the local community.

Apply for housing as soon as possible—whether or not you've made a final decision

about enrolling at Purdue. University Residences begins accepting applications from admitted students in September for the following academic year.

Housing assignments generally are made in the order in which applications and \$75 housing deposits are received, after housing assignments are made for certain groups such as Learning Communities and National Merit Finalists. Therefore, you should apply for housing as soon as possible to improve your chance of assignment to a residence of your higher preference. You will have the opportunity to indicate your housing preferences and a specific roommate request at the time you receive your housing contract mailing.

Apply online at [www.housing.purdue.edu](http://www.housing.purdue.edu) to expedite your application. If you don't have Internet access, use the paper application

included with the housing brochure in your initial admission packet. With your application, you will be required to submit a \$75 deposit. If you do decide to live on campus, this deposit will be credited to your first housing bill; if you do not, the deposit is refundable per the schedule below.

March 1 is the preferential housing application deadline. Because the University does not guarantee on-campus housing, it is important that students meet this deadline, although applying earlier is recommended. Students who apply for housing after the March 1 deadline will be assigned to a residence if space is available. First-year students are not required to live on campus.

Students who apply for housing by March 1 receive a housing contract mailing by April 1, which will be due to be returned by mid-April. When you receive your housing contract mailing, you will be prompted to fill out an online preference form, which will be used to assign your residence and match you with a compatible roommate. If you want to live with a friend, each of you must rank your residence preferences the same and request each other as a roommate.

New students who notify University Residences in writing of their choice to cancel their housing application will receive a refund of the housing deposit as follows:

**Fall semester or summer session, cancellation received:**

- Before May 1, \$75 refund
- Between May 1 and May 31, \$25 refund
- On or after June 1, no refund

**Spring semester, cancellation received:**

- Before December 1, \$25 refund
- On or after December 1, no refund

The Office of the Dean of Students offers assistance to students seeking off-campus housing. After being admitted, students should contact the Office of the Dean of Students as early as possible to begin their search for off-campus housing: visit [www.purdue.edu/odos](http://www.purdue.edu/odos), e-mail [offcampushousing@purdue.edu](mailto:offcampushousing@purdue.edu), or call (765) 494-7663.

## University Residences for Undergraduate Men and Women

University Residences provides accommodations for approximately 11,100 single undergraduate men and women.

The all-male residences include Cary Quadrangle, providing accommodations for 1,166 students, and Tarkington and Wiley Halls, each providing space for about 700 students.

Six University Residences—Owen, McCutcheon, Harrison, Shreve, Earhart, and Hillenbrand halls—house approximately 800 students each, and Meredith Hall accommodates 620 students. These are coeducational units with male and female students assigned to separate areas of each building.

Duhme, Shealy, Wood, Warren, and Vawter halls comprise the all-women's residences and are referred to as Windsor Halls. Windsor Halls provide accommodations for 595 students.

All residences contain generous lounge space, recreation areas, kitchenettes, study spaces, and post office facilities.

As a student, you may choose from three plans consisting of 10, 15, or 20 meal swipes a week, as suits your lifestyle. University Residences offers students who have an academic classification of sophomore 3 and above the Black Meal Plan, consisting of a block of 210 meals, and the Gold Meal Plan, consisting of 300 meals. With these plans, you may use your meal swipes as often as you wish. All meal plans include Dining Dollars, which may be used to buy additional food items at University Residences' Dining Services retail operations, such as grills and mini-marts. You may eat at any University Residences' Dining Services facility by using your University ID card.

Computer labs are available in each University Residences hall. If you bring a personal computer, you may use the Residences' optional Ethernet connections or data-over-voice service to access the University computing network directly from your room.

Room and board rates in 2006–07 vary from \$5,528 to \$8,624, depending on your chosen meal plan option, residence, and room size.

Approximately 700 spaces in Hawkins Hall are reserved for assignment to older undergraduate students. Hawkins Hall residents are not required to purchase a meal plan. Accommodations in Hawkins Hall are on a room-only basis. The cost for a room in 2006–07 ranges from \$320 to \$585 a month depending on the type of room selected; that includes local telephone service with voicemail and call waiting.

More than 1,000 spaces for single undergraduate students are available in Hilltop Apartments. The apartments house two, three, or four

students and are available for both single male and female students. All normal policies and regulations of University Residences apply to the apartments. Students living in the apartments may choose a meal plan that allows access to any University Residences Dining Services facility, or they may choose a non-board option. The room and board rate for 2006–07 in the apartments ranges from \$6,172 to \$9,466 a year.

(Rates quoted are subject to change as approved by the Board of Trustees and undoubtedly will be somewhat higher during the 2007–08 period of this publication.)

Visit [www.housing.purdue.edu](http://www.housing.purdue.edu) for additional information.

## Accommodations for Married Students/Families

At Purdue Village, there are 1,000 University Residences-operated apartments located within a one-mile walking distance of the main campus. The apartments are unfurnished and equipped with a stove and refrigerator. There are one-bedroom and two-bedroom apartments, with the two-bedroom apartments having washers and dryers.

One-bedroom apartment costs range from \$520 to \$535 a month. Two-bedroom units range from \$640 to \$655 a month. Your rent payment covers all utilities, including local telephone service and Boiler TV (cable). These rates are effective during the 2006–07 academic year and are subject to change as approved by the Board of Trustees.

Each apartment is equipped with a connection for the campus cable TV system as well as for the campus computing network. The apartments are not air-conditioned, but tenants may bring or purchase their own air-conditioning unit as long as it meets specified criteria, has compatible voltage ratings, and the apartment's maintenance staff does the installation.

For more information on Purdue Village, visit [www.housing.purdue.edu](http://www.housing.purdue.edu), call (800) 440-2140, or fax (800) 440-2141.

## Cooperatives

Cooperative houses also provide housing for students. These houses are large residences that are owned and operated by 20 to 50 students. Seven women's houses and five men's houses have been recognized officially by the Office of the Dean of Students, and each house has a live-out faculty or staff advisor.

Students in cooperative houses significantly decrease their housing costs by contributing three to four hours of house duties a week. Residents of cooperatives pay an average of \$3,000 per academic year for room and board. New members are selected by current members through a rush process each January.

To obtain information about becoming a cooperative member, contact the Office of the Dean of Students; Schleman Hall, Room 250; 475 Stadium Mall Drive; West Lafayette, IN 47907-2050; or call (765) 494-1231. Students are expected to complete and return application information by February 1 or earlier for membership the following fall semester.

Additional information is available at [www.purduecooperatives.org](http://www.purduecooperatives.org).

## Fraternities and Sororities

Purdue has 46 fraternities and 24 sororities. Most members live in chapter houses, and membership is by invitation.

Sororities provide an opportunity in the fall for interested women students to join a chapter. Yearly costs for sororities range from \$3,300 to \$4,380. The average number of women living in a sorority is 88.

In the fall, the Interfraternity Council provides recruitment information through which interested men can become acquainted with the fraternity system. Open recruitment is conducted throughout the academic year. The average number of men belonging to a fraternity is 72, and costs range from \$2,000 to \$3,500 a semester.

For additional information, contact the Office of the Dean of Students; Purdue University; Schleman Hall, Room 250; 475 Stadium Mall Drive; West Lafayette, IN 47907-2050; or call (765) 494-1232. Online information is available at [www.purdue.edu/greek](http://www.purdue.edu/greek).

## Information Technology

Information Technology at Purdue, which is known by the acronym “ITaP” (pronounced EYE-tap), is responsible for centralized computing and telecommunications services for faculty, staff, and students on the West Lafayette campus.

Computing services range from the very visible computing laboratories located in more than 60 locations throughout campus, to the unseen but essential enterprise applications that facilitate the business of the University. The ITaP staff members install, maintain, operate, and repair computer equipment, and provide services including career accounts, e-mail, calendaring, directories, and database administration.

In addition to the instructional computer laboratories, services for students include:

1. The WebCT course management system.
2. The Purdue Mobile Learning Initiative, which enables students to purchase laptop computers with on-campus technical support and repair.
3. The Digital Learning Collaboratory, a center for creating multimedia content including digital portfolios, Web pages, and digital video. The center is operated jointly with the Purdue University Libraries.
4. The Adaptive Programs lab for those with special needs.
5. Web-based access to many software applications, Software Remote. (In 2006, *EdTech: Focus on Higher Education* magazine gave Software Remote an IT innovation award.)
6. Free anti-virus software and computer security resources through SecurePurdue.
7. Significant discounts on commonly used software programs, such as Microsoft Office and Macromedia Studio.

Purdue is one of the few universities to offer high-performance computing capability to undergraduates, too. A Linux-based computer cluster in the Digital Learning Collaboratory is available for students to perform animation rendering, modeling, and other computational intensive assignments.

Also supporting research at Purdue is the Envision Center for Data Perceptualization, which is one of the largest scientific visualization facilities found at any university. The Envision Center utilizes a blend of computer science, engineering, perception, technology, and art to process and display information through the use of computer graphics. Students can use the facility to take visualization-related courses or to take collaborative courses with students from other universities.

Telecommunications services provided by ITaP range from basic phone services for campus offices and residences to wireless connectivity in areas throughout the campus. ITaP supports the infrastructure that links campus buildings by optical fiber and provides commodity Internet to residences and offices. ITaP also manages Purdue’s participation in several research networks, including the Internet 2, the TeraGrid, and the Northwest Indiana Computational Grid.

To help University personnel stay up to date on the rapidly changing information technology field, courses and one-on-one consulting are available on every aspect of computing and telecommunications.

For additional information, please consult [www.itap.purdue.edu](http://www.itap.purdue.edu) or call (765) 494-4000. The address for the ITaP Customer Service Center is Stewart Center, Room G068; 128 Memorial Mall; West Lafayette, IN 47907-2034.

## Libraries

The collections and services of the Purdue University Libraries are an important resource for your educational experience.

The University Libraries system on the West Lafayette campus includes 13 subject-oriented libraries and the Hicks Undergraduate Library. The Libraries provide a print collection of nearly 2,500,000 volumes and more than 3,100,000 microforms of older scholarly materials in addition to many current scientific and technical reports. Approximately 21,000 serial titles are received, including periodicals and serial publications of societies, institutions, and the federal and state governments. Federal government publications and patents are received on a depository basis. The Libraries also offer more than 7,000 electronic information sources. The Libraries Web site at [www.lib.purdue.edu](http://www.lib.purdue.edu) is the gateway to information and services.

Local library resources are supplemented by the four million items of research materials held by the Center for Research Libraries in Chicago, including 7,000 rarely held serial titles. Through Purdue's membership in the center, faculty and graduate students are assured of fast access to this material through the Interlibrary Loan Office in the Humanities, Social Science, and Education (HSSE) Library in Stewart Center.

## Study Abroad

The Office of Programs for Study Abroad is dedicated to internationalizing Purdue by helping as many students as possible have overseas experiences that enrich lives, enhance academic experiences, and increase career potential. The office helps students overcome academic, financial, or personal concerns that might prevent them from going abroad, and is especially devoted to removing obstacles for first-time travelers.

Purdue offers more than 200 study abroad and internship programs in dozens of countries, lasting from a week to a year, for all majors. Most programs do not require foreign language skills. Program costs vary, but many are comparable to the cost of studying at Purdue (with the exception of the travel expense). Participants earn Purdue grades and credits, so those who study abroad can graduate in the normal length of time. Most of the financial aid that covers

The library collections and services of the Big Ten libraries, the University of Chicago, Ball State University, and Indiana State University also are available to Purdue students and faculty under cooperative agreements. Individuals who wish to use these facilities are encouraged to contact Circulation Services in the HSSE Library.

The Digital Learning Collaboratory (DLC) is located in the Undergraduate Library. It is a joint initiative of the Purdue Libraries and Information Technology at Purdue. The DLC supports student learning through access to state-of-the-art hardware and software for creating multimedia projects in individual, group work, and instructional settings. It facilitates the integration of information and technology literacy into the undergraduate curriculum.

If you are a student in pharmacy and the pharmaceutical sciences, the Pharmacy, Nursing, and Health Sciences Library will provide most of the materials needed for study and research. Located in the Heine Pharmacy Building, this library's book collection consists of about 31,000 volumes. The library subscribes to more than 400 journals. Older volumes are held in the University Libraries' on-campus repository. Numerous electronic resources also support study and research in these fields. Reference and instruction services are available to assist users in retrieving information in all formats.

Purdue expenses can also be applied to study abroad, and more financial aid specifically for study abroad has been available in recent years.

Students who have taken part in study abroad often describe their experiences as "life changing," "eye opening," and "the best choice I ever made."

Students should begin their international exploration either online at [www.studyabroad.purdue.edu](http://www.studyabroad.purdue.edu), by calling (765) 494-2383, or by contacting The Office of Programs for Study Abroad; Young Hall, Room 105; 302 Wood Street; West Lafayette, IN 47907-2108.

## Special Facilities and Services

### Purdue University Pharmacy

The School of Pharmacy and Pharmaceutical Sciences operates and maintains the Purdue University Pharmacy as a laboratory to provide practical experience for students in pharmacy. It is a licensed pharmacy that serves the health needs of the entire student body. More than 40,000 prescriptions are dispensed each year, primarily as a result of prescriptions written by physicians in the Purdue University Student Health Center.

The Purdue University Pharmacy provides students opportunities—through a laboratory course—to work under the supervision of licensed pharmacists in order to develop good working habits, professional competence, self-confidence, and knowledge about the various pharmaceutical preparations currently used in medical practice. Students also gain experience in counseling patients on the proper use of medication, and they get hands-on experience in the use of computers in pharmacy practice.

### Instructional Resources

Instructional resources in the Robert E. Heine Pharmacy Building (RHPH) and the Johnson Nursing Building (JNSN) include instructional computing laboratories. The laboratory in RHPH, Room 316 contains 35 Dell Optiplex GX260 machines, a laser printer, and a scanner. The laboratory located in JNSN, Room B-12 currently houses 25 Dell Optiplex GX240 machines, a laser printer, and a scanner.

These laboratories are administered by Information Technology at Purdue (ITaP). The laboratory in RHPH, Room 316 is used principally for organized undergraduate instructional activities, such as the Integrated Laboratories, the Drug Information Services and Literature Evaluation course, certain other courses outside the school, and course tutorials. There also are supervised open hours.

### Academic Advising

Once you have enrolled in the School of Pharmacy and Pharmaceutical Sciences, you are assigned to an academic advisor who works with you on all phases of your academic life and helps you work out your program of study so

that you complete all required courses and make wise use of your options and electives.

The school maintains an Office of Student Services that coordinates the advising services. Staff members are available to answer questions regarding degree requirements, registration, dropping and adding courses, career goals, and withdrawal from school.

Mature and qualified faculty and staff, graduate students, and older undergraduate students are employed on the University Residences counseling staffs and live in the halls to assist students with personal and scholastic problems.

The Office of the Dean of Students is staffed by professionally trained counselors who provide personal and educational counseling. They can, for example, offer assistance or refer you to specialized help in such areas as campus activities, scholastic concerns, multicultural programs, assistance for students with disabilities, home and community relationships, and coping strategies.

Other campus services for students include the Academic Success Center, Counseling and Guidance Center, Counseling and Psychological Services, Center for Career Opportunities, Student Health Center, and Writing Lab.

### Services for Students with Disabilities

Services for students with disabilities (physical, mental, and learning disabilities) are provided through the Adaptive Programs area of the Office of the Dean of Students. Services vary according to the needs of students. They include interpreters, readers, note-taking assistance, accessible class scheduling, parking permits, and help working with professors. For further information, contact the Office of the Dean of Students. The Web site is [www.purdue.edu/odos/adpro](http://www.purdue.edu/odos/adpro). The general office number is (765) 494-1747, and the TDD number for people with hearing or speech impairments is (765) 494-1247.

### Center for Career Opportunities

The staff of the Center for Career Opportunities (CCO) will assist you with your career decision-making and job search processes. Career counseling by appointment and resume reviews on a drop-in basis are available to students who visit

the CCO at Stewart Center, Room 194, between 8:00 a.m. and 5:00 p.m. Monday through Friday. A wide variety of other career development and job search resources are found at [www.cco.purdue.edu/student/CCOExpress.shtml](http://www.cco.purdue.edu/student/CCOExpress.shtml).

Purdue University students and graduates interested in having their resume referred to prospective employers and participating in interviews with employers for internships and post-graduate employment are encouraged to register with CCO Express at <https://www.cco.purdue.edu/student/CCOExpress.shtml>. Based on the number of employers recruiting at the Center for Career Opportunities, the interviewing program ranks among the three or four largest within university career centers in the United States each year.

## For Further Information

**General Information.** The *General Information* bulletin will give you further details about admission, fees, expenses, financial aid, registration, living accommodations, student activities, student services, requirements for graduation, transfer students, ROTC, and other areas of student interest.

**University Regulations.** The *University Regulations* bulletin will provide details about academic, conduct, and student organization policies and procedures. You can access the Web site at [www.purdue.edu/univregs](http://www.purdue.edu/univregs), or request copies from Purdue Marketing Communications; South Campus Courts, Building D; 507 Harrison Street; West Lafayette, IN 47907-2025; (765) 494-2034.

**Graduation Rates.** Graduation rates for the West Lafayette campus are available by contacting the Office of Enrollment Management, Analysis, and Reporting; Schleman Hall, 475 Stadium Mall Drive; West Lafayette, IN 47907-2050; (765) 494-0292;

[enrollmentmanagement@purdue.edu](mailto:enrollmentmanagement@purdue.edu). These rates are calculated and made available as required by the Student Right-to-Know and Campus Security Act.

**Alcohol Policy.** Purdue students are subject to Indiana law, which prohibits consumption or possession of alcoholic beverages by anyone under 21 years of age. The University does not permit alcohol to be brought onto Purdue property, with certain exceptions, by any person regardless of age. Fraternity and sorority houses and student cooperative housing units are considered off-campus housing and are permitted to have alcoholic beverages, but they must observe specific University guidelines and state law.

The University does not have the responsibility or the authority to control off-campus student drinking, but it does attempt to give students the opportunity to make informed and mature decisions about alcohol use. A variety of educational and counseling programs are offered to help students deal with all aspects of alcohol and drug use, from peer pressure to dependency.

**Safety.** The University strives to provide a safe and secure environment for students, staff, and visitors. The University distributes an Annual Security Report containing campus crime statistics and information relating to campus safety and security policies and programs. The report is available on the Web at [www.purdue.edu/police](http://www.purdue.edu/police). A paper copy may be requested by calling (765) 494-8221 or contacting the Purdue University Police Department, Terry House, 205 S. Intramural Drive, Purdue University, West Lafayette, IN 47907-1971.

**Intellectual Property.** All students are subject to the University policy on intellectual property, Executive Memorandum B-10, which can be found at [www.purdue.edu/policies/pages/teach\\_res\\_outreach/b\\_10.html](http://www.purdue.edu/policies/pages/teach_res_outreach/b_10.html).

## Graduation Requirements

1. The degree of Doctor of Pharmacy (Pharm. D.) can be conferred upon a candidate enrolled in that program who has met the following requirements: satisfactorily completed the required curriculum with a total of not less than 204 semester credit hours; normally completed not less than eight semesters of resident study in an accredited school or college of pharmacy.
2. The degree of Bachelor of Science, with a major in pharmaceutical sciences, can be conferred upon a candidate enrolled in that

program who has met the following requirement: satisfactorily completed the required curriculum, including the directed scientific electives, with a total of not less than 128 semester credit hours.

In addition to the specific program requirements, each candidate for graduation from a degree program at Purdue University must satisfy various University-wide graduation requirements: academic, scholastic, residence, fee payment, etc., as described in the Purdue University General Information bulletin.

## Requirements for Entry into the Profession of Pharmacy

### Education

To become a licensed pharmacist, it is necessary to meet certain requirements of education and experience. Graduation from an accredited school of pharmacy is required in all states.

### Experience

Practical experience in a pharmacy, before licensure as a pharmacist, is required by all states. Indiana—and most other states—requires that a person be registered or certified as an intern or extern by the Board of Pharmacy in the state where the practical experience is served, at the time the experience is served. Indiana law requires that a candidate for registration as an intern (1) be a high school graduate and (2) be enrolled in a prepharmacy or pharmacy curriculum at an accredited school or college of pharmacy. In Indiana, experience hours can be served in one of two ways, as follows.

First, the internship experience can be served in a pharmacy of the student's choice on an employment basis, for which the student is compensated. These hours will be accepted only if they are served during periods of vacation from school, not evenings or weekends during the semester. If this method is used, the candidate for licensure must serve a total of 1,040 hours of pharmacy experience, at least 520 hours of which must be served after graduation from an accredited school or college of pharmacy.

The second method for serving practical experience requires that a student successfully complete a structured program (of no fewer than 520 hours) during the final year of the pharmacy

school curriculum. Clerkship differs from internship in several significant ways: (1) clerkship is served while enrolled in a school of pharmacy and is supervised by the school; (2) clerkship does not create an employer/employee relationship so that the student need not be compensated (Indiana schools of pharmacy do not allow the students to be compensated); and (3) academic credit is granted for program completion as well as practical experience credit established with the Board of Pharmacy.

The school-supervised clerkship program (initially referred to as externship) became a requirement for graduation from the Purdue School of Pharmacy and Pharmaceutical Sciences beginning with the class of 1975. Today, pharmacy students participate in both Introductory Pharmacy Practice Experiences (IPPE), during the first three years of the professional program, and Advanced Pharmacy Practice Experiences (APPE), during the final calendar year of the professional program. These experiences are of suitable intensity, breadth, and duration to support achievement of many of the school's stated outcome ability goals. Many of the outcome ability goals not addressed in some of the didactic courses during the first three professional years are stressed and assessed during these experiences.

The Introductory Pharmacy Practice Experiences program at Purdue University was developed in response to the accreditation standards set forth by the American Council of Pharmacy Education (ACPE) to provide early experiential learning opportunities for pharmacy students throughout the curriculum. Students explore the

concept of professionalism, develop practice skills, explore a variety of career opportunities, and gain hands-on experience with patients in the delivery of holistic pharmaceutical care. Multiple opportunities for reflection and group discussion are provided throughout the IPPE program.

The advanced pharmacy practice experiences are satisfied during the final calendar year of the Pharm.D. program when the student completes a series of required and elective clerkships over a 44 week period (1760 hours). These experiences are designed to allow students to apply what they have learned in the didactic curriculum to the patient care setting and to practice those skills necessary for making the transition into professional practice. All students complete required institutional pharmacy-based clerkships (PHPR 498), community pharmacy-based clerkships (PHPR 499), inpatient direct-patient care clerkships (CLPH 585), ambulatory patient care clerkships (CLPH 588), plus a series of elective clerkships (CLPH 589) in a variety of settings. Each of the clerkship experiences is supervised by one of the school's faculty or a licensed professional selected by the Office of Experiential Learning. The final year of the professional program has been approved by the Indiana Board of Pharmacy to satisfy the entire licensure requirement for practical experience in Indiana. Because changes in state requirements for licensure can occur at any time, it would be prudent for the candidate to check with the Indiana Board of Pharmacy or the Office of Experiential Learning in the School of Pharmacy and Pharmaceutical Sciences for the requirements that apply.

Other states' requirements vary greatly, however, with many states requiring 1,500 to 2,000 hours (one full year) of experience. States' boards of pharmacy generally will accept the Purdue clerkship and apply those hours toward partial satisfaction of their experience requirements; some will accept the clerkship as satisfying the entire requirement. Students who desire licensure as pharmacists in states other than Indiana are urged to investigate the requirements for such licensure early in their pharmacy school careers.

## Licensure

After graduation from a school or college of pharmacy, and after completing the state-required practical experience requirements, a graduate must successfully complete a licensing examination given by the state licensing board, usually the state's board of pharmacy. The license granted by a state entitles the pharmacist to practice pharmacy in that state only. A pharmacist may simultaneously hold licenses to practice in as many states as desired. License to practice pharmacy may be gained in other states by transfer from one state of licensure to another state by making application to the state and meeting its requirements. The requirements vary from state to state but commonly include successful completion of an examination in that state's pharmacy law. The transfer does not cancel the original license.

A few states will not accept transfer within the first year of licensure in another state. In Indiana, the pharmacist's license must be renewed on a biennial basis. To be eligible for license renewal in Indiana, a pharmacist must earn no fewer than 30 hours of acceptable continuing professional education credit during that biennium.

A pharmacist's license to practice is a privilege and is subject to discipline by the board of pharmacy for cause. Causes for discipline are clearly spelled out in Indiana statutes. Sanctions that the board of pharmacy may impose include reprimand, censure, probation (with conditions), suspension (with loss of the privilege with no right to practice for a period of time), and, in the most egregious cases, revocation (permanent loss of license with no right to reapply for a new license for a period of seven years). The board of pharmacy has broad discretionary powers in disciplinary matters.

## Graduate Study

The School of Pharmacy and Pharmaceutical Sciences, under the direction of the Graduate School of Purdue University, offers primary and related areas of graduate study and research leading to the M.S. and Ph.D. degrees in clinical pharmacy, pharmacy administration, industrial and physical pharmacy (including pharmacokinetics and nuclear pharmacy), and medicinal chemistry and molecular pharmacology. Graduate students in the School of Pharmacy and Pharmaceutical Sciences can select one or more related fields of study from other University divisions of instruction, such as biology, chemistry, economics, education, engineering, or physics. Each program of study is flexible and can be varied to accomplish the objectives of the individual student. The requirements for graduate study in the School of Pharmacy and Pharmaceutical Sciences are described in *The Graduate School* bulletin.

### Graduate Assistantships and Fellowships

Assistantships may be offered to qualified students pursuing advanced degrees in the Phar-

maceutical sciences. The resources include teaching and research assistantships, Andrews Fellowships, PRF Research Fellowships, American Foundation for Pharmaceutical Education Fellowships, and fellowships from the National Science Foundation, National Institutes of Health, and the pharmaceutical industry.

The stipend for assistantships and fellowships varies; however, remission of tuition and fees will be granted for most sources of support. Appointments for assistantships and fellowships are made on an annual basis, subject to renewal. They are based on availability of funds and satisfactory progress of the student.

Teaching assistants are required to help in classroom and laboratory courses. However, because the service does not exceed 20 clock hours a week, a teaching assistant can make progress toward his or her graduate degree.

For additional information, write to Dean Craig Svensson; School of Pharmacy and Pharmaceutical Sciences; Purdue University; Heine Pharmacy Building, Room 104; 575 Stadium Mall Drive; West Lafayette, Indiana 47907-2091.

## Abbreviations

The following abbreviations of subject fields are used in the "Plans of Study" within this catalog. Alphabetization is according to abbreviation.

**AGEC**—Agricultural Economics

**BIOL**—Biological Sciences

**CHM**—Chemistry

**CLPH**—Clinical Pharmacy

**COM**—Communication

**ENGL**—English

**IPPH**—Industrial and Physical Pharmacy

**MA**—Mathematics

**MCMP**—Medicinal Chemistry and  
Molecular Pharmacology

**NUPH**—Nuclear Pharmacy

**PHAD**—Pharmacy Administration

**PHPR**—Pharmacy Practice

**PHRM**—Pharmacy

**PHYS**—Physics

**STAT**—Statistics

## Plans of Study

The following plans of study were current in August 2006. Please check with the Office of Student Services in the School of Pharmacy and Pharmaceutical Sciences for subsequent changes.

In the "Plans of Study" section of this catalog, figures within parentheses, e.g., (3), are credit hours, unless designated otherwise.

### Pass/Not-Pass Grading Option

This option is available to encourage students to broaden their educational horizons. Students may pursue certain courses on this basis if they have a class standing of sophomore 3 or above and a graduation index of 2.0 or greater at the end of the preceding semester. Courses listed as core requirements in the pharmacy curriculum or as directed scientific electives in the Pharm. D. program may not be taken under the pass/not-pass grading system unless so designated by the faculty. Up to five of nine required professional or career-related electives of the Pharm.D. program may be taken on a pass/not-pass basis.

### Credit toward Graduate Degrees

Students who meet the requirements of the Graduate School and declare their intention of taking specific courses for graduate credit can, with the approval of the Graduate Council, use not more than 18 credit hours in courses numbered above 500 for credit toward the advanced degree when such credits are in excess of the requirements for the B.S. in the Pharmaceutical Sciences or Pharm.D. degrees. Students in the professional program may apply for admission into the Pharm.D.-MSIA or the Pharm.D.-Ph.D. dual degree programs.

### Prerequisites

A student cannot enroll in a course for which he or she has not met all of the prerequisites. Requests to obtain a waiver of prerequisite(s) for a core course must first be submitted by the student to his or her advisor. If the advisor approves, the request is forwarded to the course instructor, the department head of jurisdiction, and then to the dean of the school. No waivers can be granted unless each of these approvals is

obtained and a document testifying to this fact has been added to the student's permanent file.

### Non-Pharmacy Student Enrollment in Pharmacy Core Courses

Students pursuing non-pharmacy curricula at Purdue may wish to take one or more pharmacy core courses toward fulfillment of their particular degree objectives. It may be possible to accept a limited number of non-pharmacy students in the lecture portion of specific pharmacy core courses, if seating space is available and the proper prerequisites have been fulfilled. In general, because of space and staff limitations, non-pharmacy students will not be permitted to register in laboratory portions of pharmacy core courses. Individual exceptions to this general rule can be made, but they require written approval by the course instructor and department head.

### Doctor of Pharmacy Program

The Doctor of Pharmacy program at Purdue exists to meet a growing need for pharmacists who possess highly sophisticated expertise in rational drug therapy and to prepare pharmacists for present and future clinical practice roles involving pharmaceutical patient care. Graduates of the Doctor of Pharmacy program are prepared to (1) apply knowledge of the pharmaceutical and biophysical sciences to problems of drug therapy; (2) establish, maintain, evaluate, and improve clinical information services regarding the safe and effective use of medicine; (3) provide leadership in developing and expanding patient-oriented pharmacy services in a team approach to patient care; and (4) adapt to a changing health service system. The program prepares graduates to enter a general pharmaceutical care practice role in acute care, long-term care, ambulatory care, or community pharmacy settings; to enter one of several entry positions within the pharmaceutical industry; or to enter postgraduate residency and fellowship training programs or graduate education programs.

Qualified students can complete the Doctor of Pharmacy curriculum at Purdue in one of two ways: (1) as undergraduates pursuing the degree as the first professional degree (i.e., four years of professional study), or (2) as postbaccalaureate

graduates in pharmacy participating on a part-time basis (nontraditional program).

Students in this professional program pay fees in addition to those paid by other Purdue students (see Table on page 18, “2006–07 Estimated Costs”). Effective for the 2006–07

academic year, University fees for resident Doctor of Pharmacy students are \$13,796 for new students. (Subject to change without notice.) Out-of-state tuition and fees for the 2006–07 academic year are \$28,420 for new students.

## Plan of Study for Doctor of Pharmacy

### Credit Hours Required for Graduation: 204

#### First Prepharmacy Year

##### *First Semester*

- (4) **BIOL 110** (Fundamentals of Biology I)
  - (4) **CHM 115** (General Chemistry)
  - (4) **ENGL 106** (First-Year Composition)
  - (3) **MA 223** (Introductory Analysis I)
  - (1) **PHPR 100** (Pharmacy Orientation I)
- 
- (16)

##### *Second Semester*

- (3) **AGEC 217** (Economics)
  - (4) **BIOL 111** (Fundamentals of Biology II)
  - (4) **CHM 116** (General Chemistry)
  - (3) **MA 224** (Introductory Analysis II)
  - (1–3) Electives
- 
- (15–17)

#### Second Prepharmacy Year

##### *Third Semester*

- (3) **BIOL 301** (Human Design: Anatomy and Physiology)
  - (4) **MCMP 204** (Organic Chemistry I)
  - (4) **PHYS 220** (General Physics)
  - (5) Electives
- 
- (16)

##### *Fourth Semester*

- (4) **BIOL 221** (Introduction to Microbiology)
  - (3) **BIOL 302** (Human Design: Anatomy and Physiology)
  - (4) **MCMP 205** (Organic Chemistry II)
  - (5) Electives
- 
- (16)

#### First Professional Year

##### *First Semester*

- (3) **IPPH 362** (Basic Pharmaceutics I)
  - (3) **MCMP 304** (Biological Chemistry I)
  - (3) **MCMP 311** (Biometrics & Pharmaceutical Analysis)
  - (1) **NUPH 412** (Diagnosis Imaging I)
  - (3) **PHAD 343** (Pharmacy in the Health Care System)
  - (3) **PHPR 312** (Introduction to Pharmacy and Pharmaceutical Care)
  - (1) **PHRM 301** (Integrated Laboratory I)
- 
- (17)

##### *Second Semester*

- (3) **IPPH 363** (Basic Pharmaceutics II)
  - (3) **MCMP 305** (Biological Chemistry II)
  - (3) **MCMP 422** (Introduction to the Immune System and Applications to Immunologic and Genetic Therapies)
  - (3) **MCMP 440** (Pathophysiology)
  - (1) **PHRM 302** (Integrated Laboratory II)
  - (0) **PHPR 421** (Professional Service Experience)
  - (3) Electives
- 
- (16)

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**Second Professional Year**


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**Third Semester**

- (2) **CLPH 469** (Principles of Pharmacy Practice)
- (2) **CLPH 567** (Drug Information Services and Literature Evaluation)
- (3) **MCMP 407** (Medicinal Chemistry and Molecular Pharmacology I)
- (3) **MCMP 441** (Medicinal Chemistry and Molecular Pharmacology II)
- (1) **PHRM 401** (Integrated Laboratory III)
- (5) Electives

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 (16)
**Fourth Semester**

- (3) **CLPH 471** (Pathophysiology and Therapeutics I)
- (3) **IPPH 475** (Biopharmaceutics and Pharmacokinetics I)
- (2) **MCMP 408** (Medicinal Chemistry and Molecular Pharmacology III)
- (3) **MCMP 442** (Medicinal Chemistry and Molecular Pharmacology IV)
- (2) **PHAD 472** (Jurisprudence)
- (1) **PHRM 402** (Integrated Laboratory IV)
- (0) **PHPR423** (Practice Skills Experience)

(1–3) Electives

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 (15–17)

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**Third Professional Year**


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**Fifth Semester**

- (6) **CLPH 572** (Pathophysiology and Therapeutics II)
- (3) **IPPH 575** (Biopharmaceutics and Pharmacokinetics II)
- (3) **PHAD 464** (Management of Professional Practice)
- (1) **PHPR 468** (Patient Services Experience)\*
- (1) **PHRM 403** (Integrated Laboratory V)

(1–3) Electives

---

 (15–17)\*
**Sixth Semester**

- (6) **CLPH 573** (Pathophysiology and Therapeutics III)
- (2) **IPPH 471** (Parenteral Products)
- (2) **PHAD 563** (Marketing of Professional Services)
- (1) **PHPR 468** (Patient Services Experience)\*
- (1) **PHRM 404** (Integrated Laboratory VI)
- (0) **PHRM 424** (Shadowing Experience)

(3–5) Electives

---

 (15–17)\*

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**Fourth Professional Year**


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**Seventh and Eighth Semesters**

44 weeks (44 credits) of core and track-related experiential rotations comprised of:  
 8 weeks each of Institutional/Community Pharmaceutical Care Rotations (PHPR 498/499, 8 each)

8 weeks	Inpatient, Direct-Patient Care Rotations (CLPH 585 — 4 cr. x 2)
8 weeks	Ambulatory Medicine Rotations (CLPH 588 — 4 cr. x 2)
12 weeks	Elective Rotations (CLPH 589 — 4 cr. x 3)

---

\* To be taken during semester five or six of professional program.

## Bachelor of Science in the Pharmaceutical Sciences Curriculum

Purdue University awards a B.S. degree to students completing 128 hours in a specified four-year nonprofessional curriculum. The School of Pharmacy offers such a four-year degree program with a major in pharmaceutical sciences. Students select a specialization in either industrial and physical pharmacy or medicinal chemistry and molecular pharmacology when applying to the upper level curriculum following the first two years. The objective of the program is to provide the student with a strong foundation of scientific learning and an understanding of pharmacy as a context in which science is discovered and applied. Students with this background are

needed in entry-level technical positions in the pharmaceutical industry and are ideally educated to pursue graduate study in the pharmaceutical sciences. It is clear that the pharmaceutical industry, government, and education will continue to need well-educated individuals with a pharmacy perspective in a broad range of areas, including research, pharmaceutical development, quality control, manufacturing, sales, and marketing.

This is a nonprofessional degree that does not prepare graduates for state board licensure. This curriculum reflects what is in effect for August 2006.

### Plan of Study for Bachelor of Science in the Pharmaceutical Sciences

#### Industrial and Physical Pharmacy Specialization\*

Credit Hours Required for Graduation: 128

##### First Year

###### First Semester

- (4) **BIOL 110** (Fundamentals of Biology I)
- (4) **CHM 115** (General Chemistry)
- (1) **IPPH 100** (Pharmaceutical Sciences Orientation)
- (5) **MA 161** (Plane Analytic Geometry and Calculus I)

(14)

###### Second Semester

- (4) **BIOL 111** (Fundamentals of Biology II)
- (4) **CHM 116** (General Chemistry)
- (4) **ENGL 106** (First-Year Composition)
- (5) **MA 162** (Plane Analytic Geometry and Calculus II)

(17)

##### Second Year

###### First Semester

- (3) **BIOL 301** (Human Design: Anatomy and Physiology)
- (4) **MCMP 204** (Organic Chemistry I)
- (4) **PHYS 220** (General Physics)
- (3) **STAT 511** (Statistical Methods)
- (2) Electives

(16)

###### Second Semester

- (4) **BIOL 221** (Introduction to Microbiology)
- (3) **BIOL 302** (Human Design: Anatomy and Physiology II)
- (4) **MCMP 205** (Organic Chemistry II)
- (4) **PHYS 221** (General Physics)
- (2) Electives

(17)

#### Summer — Research or Industrial Internship (Recommended)

##### Third Year

###### First Semester

- (4) **CHM 321** (Analytical Chemistry I)
- (3) **IPPH 362** (Basic Pharmaceutics I)
- (3) **MCMP 304** (Biological Chemistry I)
- (3) **STAT 512** (Regression Analysis)
- (3) Electives

(16)

###### Second Semester

- (4) **CHM 372** (Physical Chemistry)
- (3) **IPPH 363** (Basic Pharmaceutics II)
- (3) **MCMP 305** (Biological Chemistry II)
- (3) **MCMP 440** (Pathophysiology)
- (3) Electives

(16)

\* In the industrial and physical pharmacy specialization, suggested electives include: *ABE 210* (Biological Applications of Material and Energy Balances); *STAT 513* (Statistical Quality Control); and *STAT 514* (Design of Experiments). Each course is three credit hours.

---

**Summer — Research or Industrial Internship (Recommended)**


---

**Fourth Year**


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**First Semester**

- (3) **IPPH 522** (Good Regulatory Practice)
  - (3) **IPPH 562** (Introduction to Pharmaceutical Processes)
  - (3) **IPPH 580** (Physical Chemical Principles)
  - (3) **MCMP 570** (Basic Principles of Chemical Action on Biological Systems)
  - (4) Electives
- 
- (16)

**Second Semester**

- (3) **IPPH 475** (Biopharmaceutics and Pharmacokinetics I)
  - (3) **IPPH 583** (Advanced Biopharmaceutics)
  - (3) **MCMP 422** (Introduction to the Immune System and Applications to Immunologic and Genetic Therapies)
  - (7) Electives
- 
- (16)

**Plan of Study for Bachelor of Science in the  
Pharmaceutical Sciences**
**Medicinal Chemistry and Molecular Pharmacology Specialization**


---

**Credit Hours Required for Graduation: 128**


---

**First Year**


---

**First Semester**

- (4) **BIOL 110** (Fundamentals of Biology I)
  - (4) **CHM 115** (General Chemistry)
  - (1) **IPPH 100** (Pharmaceutical Sciences Orientation)
  - (5) **MA 161** (Plane Analytic Geometry and Calculus I)
- 
- (14)

**Second Semester**

- (4) **BIOL 111** (Fundamentals of Biology II)
  - (4) **CHM 116** (General Chemistry)
  - (4) **ENGL 106** (First-Year Composition)
  - (5) **MA 162** (Plane Analytic Geometry and Calculus II)
- 
- (17)

**Second Year**


---

**First Semester**

- (3) **BIOL 301** (Human Design: Anatomy and Physiology)
  - (4) **MCMP 204** (Organic Chemistry I)
  - (4) **PHYS 220** (General Physics)
  - (3) **STAT 503** (Statistical Methods for Biology)
  - (3) Electives
- 
- (17)

**Second Semester**

- (4) **BIOL 221** (Introduction to Microbiology)
  - (3) **BIOL 302** (Human Design: Anatomy and Physiology)
  - (4) **MCMP 205** (Organic Chemistry II)
  - (4) **PHYS 221** (General Physics)
- 
- (15)

**Summer Internship (optional)**


---

**Third Year**


---

**First Semester**

- (4) **CHM 321** (Analytical Chemistry I)
  - (3) **IPPH 362** (Basic Pharmaceutics I)
  - (3) **MCMP 304** (Biological Chemistry I)
  - (6) Electives
- 
- (16)

**Second Semester**

- (4) **CHM 372** (Physical Chemistry)
  - (3) **IPPH 363** (Basic Pharmaceutics II)
  - (3) **MCMP 305** (Biological Chemistry II)
  - (3) **MCMP 440** (Pathophysiology)
  - (4) Electives
- 
- (17)

---

## Summer Internship (optional)

---

### Fourth Year

---

#### *First Semester*

- (3) **MCMP 407** (Medicinal Chemistry and Molecular Pharmacology I)
- (3) **MCMP 441** (Medicinal Chemistry and Molecular Pharmacology II)
- (10) Electives

---

(16)

#### *Second Semester*

- (3) **IPPH 475** (Biopharmaceutics and Pharmacokinetics I)
  - (2) **MCMP 408** (Medicinal Chemistry and Molecular Pharmacology III)
  - (3) **MCMP 422** (Introduction to the Immune System and Applications to Immunologic and Gene Therapies)
  - (3) **MCMP 442** (Medicinal Chemistry and Molecular Pharmacology IV)
  - (5) Electives
- 
- (16)

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## Information about Courses

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Official Purdue University course information is available on the Web at [www.purdue.edu/purdue/course\\_info](http://www.purdue.edu/purdue/course_info). Click on the “Course Information—All Campuses” link at the top of the page.

The Official Purdue University Course Repository is maintained by the Office of the Registrar and is updated instantaneously. It contains a multitude of information, including course descriptions and requisites for retired, current, and future courses offered at the West Lafayette campus as well as at Purdue Calumet, Purdue North Central, Indiana University-

Purdue University Fort Wayne, Indiana University-Purdue University Indianapolis, and the College of Technology locations around the state.

The course information available online is organized by campus, program, and subject area, which enables you to tailor your search.

You also may want to consult your academic advisor if you have questions about the courses required for your plan of study.

You also may want to consult your academic advisor if you have questions about the courses required for your plan of study.

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---

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**Stephen R. Byrn, Ph.D.**, Head of the Department of Industrial and Physical Pharmacy

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## Instructional Units

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### Agriculture

Agricultural and Biological Engineering  
 Agricultural Economics  
 Agronomy  
 Animal Sciences  
 Biochemistry  
 Botany and Plant Pathology  
 Entomology  
 Food Science  
 Forestry and Natural Resources  
 Horticulture and Landscape Architecture  
 Youth Development and Agricultural Education

### Consumer and Family Sciences

Child Development and Family Studies  
 Consumer Sciences and Retailing  
 Foods and Nutrition  
 Hospitality and Tourism Management

### Education

Curriculum and Instruction  
 Educational Studies

### Engineering

Aeronautics and Astronautics  
 Agricultural and Biological Engineering  
 Biomedical Engineering  
 Chemical Engineering  
 Civil Engineering  
 Construction Engineering and Management  
 Electrical and Computer Engineering  
 Industrial Engineering  
 Interdisciplinary Engineering  
 Land Surveying and Geomatics Engineering  
 Materials Engineering  
 Mechanical Engineering  
 Nuclear Engineering

### Health Sciences

#### Liberal Arts

Aerospace Studies  
 Audiology and Speech Sciences  
 Bands  
 Communication  
 English  
 Foreign Languages and Literatures  
 General Studies  
 Health and Kinesiology  
 History  
 Interdisciplinary Studies  
 Military Science

Naval Science  
 Philosophy  
 Political Science  
 Psychological Sciences  
 Sociology and Anthropology  
 Visual and Performing Arts

### Management

Economics  
 Management

### Nursing

### Pharmacy and Pharmaceutical Sciences

Industrial and Physical Pharmacy  
 Medicinal Chemistry and Molecular  
 Pharmacology  
 Pharmacy Practice

### Science

Biological Sciences  
 Chemistry  
 Computer Science  
 Earth and Atmospheric Sciences  
 Mathematics  
 Physics  
 Statistics

### Technology

Aviation Technology  
 Building Construction Management  
 Technology  
 Computer Graphics Technology  
 Computer Technology  
 Electrical and Computer Engineering  
 Technology  
 Industrial Technology  
 Manufacturing Engineering Technology  
 Mechanical Engineering Technology  
 Organizational Leadership and Supervision

### Veterinary Medicine

Basic Medical Sciences  
 Veterinary Clinical Sciences  
 Veterinary Pathobiology

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