Consider the impact of Purdue University on your world!

Some of you are Purdue students, poised on the launch pad of your adult life. Others, high school students still trying to zero in on your career path and life mission. Consider looking at your future through the expansive and engaging field of vision Purdue offers in this increasingly global and technologically advanced world.

Telescopic View of Purdue

• Founded in 1869 as Indiana’s land-grant university and named for benefactor John Purdue
• Ranks 22nd among the nation’s public universities and 61st among all universities by U.S. News & World Report (2009)
• Among the largest universities in the United States with a state system-wide enrollment of more than 74,300 at four campuses and 10 Technology Statewide locations throughout Indiana; about 39,700 at the main campus in West Lafayette
• Ranks 9th in SmartMoney magazine’s “payback” survey, quantifying the long-term value of a college education — or earnings compared to tuition investment (2009)
• Included in The Princeton Review 100 “best value” ranking for offering a high-quality education at a reasonable price (2009)
• Named among the top 20 by The Princeton Review in a variety of campus-life categories, including best athletics, best college newspaper, and best campus food (2009)

Discover the World at Purdue

• A world of choices: 200 majors
• Highly touted programs and graduates in the STEM disciplines (science, technology, engineering, math) and business, liberal arts, and agriculture; several interdisciplinary options
• Culturally diverse campus, with students from more than 125 countries and all 50 states
• Typically ranks No. 1 or No. 2 in international student enrollment among public institutions in the United States
• First university to have its own airport (1930); also the first university to establish a department of computer science (1962)
• Community service experiences available in 175 courses; Engineering Projects in Community Service (EPICS) founded at Purdue, now a popular program nationally
• Incredible research opportunities for students to learn from, and work with, world-renowned faculty in Discovery Park’s enviable interdisciplinary centers and laboratory facilities in nanotechnology, biosciences, information technology, alternative fuels, and the study of learning
• Study Abroad programs in 45 countries
• Number of recognized student organizations: 850
• Member of the Big Ten Conference, noted for both academic excellence and competitive athletic programs
• Nationally recognized career preparation track via Professional Practice (co-op and internship programs)
• Some 700 companies recruit on campus, valuing the work ethic of Purdue’s new graduates and alumni who have earned a degree that is respected around the world
• Median salary for graduates three years after graduation of $51,400; median salary 15 years after graduation of $90,500 (data from SmartMoney ranking, classes of 2005 and 1993)
• Living alumni network of 410,000 world-wide

Proven World Leader

• To date, 22 alumni chosen for space flight — headlined by Neil Armstrong and Gene Cernan, the first and last humans on the moon
• Two Purdue professors in three years received the World Food Prize, considered the Nobel Prize of Agriculture: Philip Nelson (2007) and Gebisa Ejeta (2009); Nelson developed aseptic storage and distribution of processed fruits and vegetables, and Ejeta’s research increased sorghum production, which is one of the world’s main cereal grains
• Early work by Purdue researchers led to the first successful transmission of a black-and-white television picture
• Purdue graduate Carol Morgan Pottenger, rear admiral in the U.S. Navy, is one of the first women selected for sea duty and the first woman to lead a combat strike group
• Boilermakers Len Dawson, Bob Griese, Hank Stram, and Rod Woodson are all enshrined in the Pro Football Hall of Fame
• Brian Lamb, who started public-affairs channel C-SPAN 30 years ago, is an alumnus
• Don Thompson, president of McDonald’s Corp. USA, has a Purdue engineering degree
• More Forbes 800 corporate chief executive officers hold an undergraduate degree from Purdue than from any other public university
• Aviation pioneer Amelia Earhart was a career counselor to women students on campus; gift funds from the Purdue Research Foundation made possible the purchase of Earhart’s “Flying Laboratory” used for her ill-fated around-the-world flight attempt
• Basketball coaching legend John Wooden, an Indiana native, led Purdue to the 1932 National Championship
• Orville Redenbacher “the Popcorn King,” was a Purdue graduate
• Purdue has graduated more women engineers than any other university, and one in 50 engineers in the United States is Purdue-trained

Academic programs at Purdue are organized within colleges and schools. A brief description of each college and school follows, but we encourage you to visit the Purdue Web site — www.purdue.edu. Plan to spend some time discovering Purdue. You’ll find, in the online details, information about the University’s academic programs and courses. We appreciate your interest and welcome your questions. You’re invited to campus for the “real” Boilermaker experience. You’ll see a galaxy of opportunities before you — paths similar to many Boilermakers whose impact has taken them to great heights around the world … and high above it!

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 and tourism, nutrition, health and fitness, and education. The Department of Hospitality and Tourism Management also offers an associate degree program. See 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 the 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 also are offered through other colleges and schools across campus. See www.education.purdue.edu.

College of Engineering
The College of Engineering is internationally known for the quality and scope of its programs. Students launch their careers with a common first-year program in the School of Engineering Education. Once they have completed that program, they choose from undergraduate curricula in aeronautics and astronautics, agricultural, biological, biomedical, chemical, civil, computer, construction engineering and management, electrical, industrial, interdisciplinary, materials, mechanical, or nuclear engineering. Every school within engineering offers graduate degree programs. See www.engineering.purdue.edu.
School of Health Sciences

The school offers a variety of human health-related study areas. Undergraduate programs include clinical laboratory science (medical technology), environmental health science, general health sciences, occupational health science (industrial hygiene), and radiological health science (health physics). The general health sciences major requires the selection of a concentration area in pre-medical, pre-dental, pre-occupational therapy, pre-physical therapy, pre-chiropractic, pre-optometry, pre-physician’s assistant, or public health. Students completing these programs are prepared to enter the health-related job market or apply to the professional or graduate program of their choosing. At the graduate level, programs of study include health physics, medical physics, occupational and environmental health sciences, radiation biology, and toxicology. See 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 the departments of anthropology, audiology and speech sciences, communication, English, foreign languages and literatures, health and kinesiology, history, philosophy, political science, psychological sciences, and sociology; and in the School of Visual and Performing Arts. Students can prepare themselves in more than 50 majors, including 16 undergraduate interdisciplinary programs. See 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.

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.). 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. 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 pediatric nurse practitioners and adult nurse practitioners, and offers a post-master’s oncology certification. A graduate nursing consortium with the Purdue Schools of Nursing at Calumet and Fort Wayne offers various specializations. The Doctor of Nursing Practice (D.N.P.) delivers a post-baccalaureate to practice doctorate curriculum. See 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 prepharmacy curriculum can be taken either through Purdue’s prepharmacy program or at another institution. It typically takes a minimum of two to three years of academic study to meet the pre-pharmacy course requirements. 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.

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 pre-veterinary options;
a Professional Practice Program; study abroad;
and honors programs are available. Students
may pursue official minors in other areas out-
side their major. Enrollment in sciences while
deciding on a major in any field is encouraged.
A highly qualified faculty, state-of-the-art facil-
ties, and ongoing research keep teaching up to
date. See www.science.purdue.edu.

College of Technology
The eight departments and 23 concentrations in
the College of Technology prepare students to
meet the technological needs of business, indus-
try, and government. Technology students begin
taking courses in their majors as early as their
freshman year. Courses and other opportunities
allow students to experience a variety of hands-
on, real-world applications. The college awards
associate’s, bachelor’s, and graduate degrees.
See www.purdue.edu/technology.

School of Veterinary Medicine
This professional school has assumed a leading
position nationally and internationally in edu-
cating the veterinary medical team. The school
is fully accredited and is one of only 28 in the
United States that grant the Doctor of Veteri-
nary Medicine (D.V.M.) degree. The Veterinary
Technology Program is accredited by the Ameri-
can 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
one of only three AVMA-accredited programs
administered by a school of veterinary medicine.
See www.vet.purdue.edu.

The Graduate School
The Graduate School oversees more than 70 pro-
grams of graduate study and research that lead
to advanced degrees. Purdue graduate students
engage in relevant coursework and cutting-
edge research that lead to master’s and doctoral
degrees in agriculture, consumer and family sci-
cences, education, engineering, health sciences,
liberal arts, management, nursing, pharmacy,
science, technology, veterinary medicine, and a
variety of exciting interdisciplinary programs.
The Graduate School also offers several grad-
uate-level, academic credit certificate programs
and combined (undergraduate/graduate) degree
programs. For details about the Graduate School
at Purdue, visit 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-increas-
ing 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, effect-
tive for the condition being treated, and cost-
effective.

During the coming years, 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 uses available patient data, informa-
tion sources, monitoring processes, and interpre-
tive skills toward achieving the goals of optimal
use and optimal outcomes from patients’ medi-
cations.

The pharmacy profession provides oppor-
tunities for pharmacists in hospital pharmacy,
community pharmacy (chain or independently
owned), home health care, long-term care (e.g.,
nursing homes), nuclear pharmacy, pharma-
cutical industry (including areas of research, drug
development, clinical trials, quality control, pro-
duction, marketing, and regulatory affairs), and
specialty clinical practice areas (e.g., cardiology,
cancer chemotherapy, nutritional support, drug
information, pharmacokinetics, geriatrics, pedia-
trics, 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.

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 8,000 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, a 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.

Accreditation and Recognition

The Doctor of Pharmacy program of the Purdue University School of Pharmacy and Pharmaceutical Sciences is accredited by the Accreditation Council for Pharmacy Education, 20 N. Clark St., Suite 2500, Chicago, IL 60602-5109; (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 Accreditation Council for Pharmacy Education as an approved provider of continuing professional education.
Mission and Vision

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

The Mission of the Purdue University School of Pharmacy and Pharmaceutical Sciences is to 1) Educate and train students to become leading pharmacists and scientists, 2) Advance scientific discovery and development, and 3) Maximize global health outcomes through patient care and public service.

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

The vision for the Purdue University School of Pharmacy and Pharmaceutical Sciences is to transform the practice and science of pharmacy to lead advances in human health. Indicators that the vision is being achieved include: (a) The number of discovery-based initiatives with clinical, scientific, and/or economic impact has increased; (b) Our faculty, staff, students, and alumni are engaged across colleges, healthcare systems, industrial partners, and professional associations to address healthcare needs; (c) Faculty, staff, students, and alumni pursue and achieve positions of leadership that impact education, research, policy, and delivery of care related to human health; (d) The education of students incorporates knowledge of cultural differences in healthcare delivery and effectiveness; and (e) We are providing access for a diverse student population that fosters a culture of inclusiveness and success.

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

The information that follows is a basic overview of the undergraduate admission process. For the most current information regarding admission procedures, deadlines, and criteria, visit www.admissions.purdue.edu or contact the Office of Admissions; Purdue University; Schleman Hall; 475 Stadium Mall Drive; West Lafayette, IN 47907-2050; admissions@purdue.edu; (765) 494-1776. Prospective students also are encouraged to visit the Web site to sign up for the Office of Admissions contact list to receive mail and e-mail from Purdue.

Application Deadlines

High school students are strongly encouraged to apply for admission very early in their senior year, and some programs have specific deadlines. There also are specific deadlines for transfer students. Current application and scholarship deadlines are posted on the undergraduate admissions Web site.

Freshman Admissions Criteria

Applications are reviewed on an individual and holistic basis. First and foremost, applicants must be prepared academically for the rigors of college and the academic demands of the
major to which they are seeking admission. In its review of each applicant, Purdue considers the following factors: high school coursework, grades, strength of curriculum, academic trends, class rank, core and overall grade point average, SAT or ACT test score, personal statement, personal background and experiences, and space availability in the intended major.

Transfer Admissions Criteria

College students who want to transfer must have completed minimums of 12 to 24 semester credit hours of college-level coursework prior to enrollment at Purdue. Minimum credit-hour requirements will vary based on each student’s high school and/or college academic credentials. Criteria for transfer admission vary widely based on the major to which the student is applying. All programs have minimum GPA requirements, and some have college coursework prerequisites. The Office of Admissions Web site has the most current information about admission criteria and processes as well as about transferring credit.

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 and Pharmaceutical Sciences.

Early Registration — STAR

Student Access, Transition and Success Programs (SATS) invites you to campus for one day of early registration during the summer before your first semester as a new student. Summer Transition, Advising, and Registration (STAR) is a day set aside for you to meet with your academic counselor and register for first-semester classes. The University will mail you a fee statement.

Student Orientation and Support Programs

Student Access, Transition and Success Programs (SATS) is responsible for the coordination of initiatives that help you prepare for, transition into, and succeed as a student 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 organized for new, beginning students and transfer students, and it includes a variety of activities designed to help you 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 you at the appropriate times.

SATS programs include Summer Transition, Advising, and Registration (STAR); Common Reading; Learning Communities; Orientation Programs (such as Boiler Gold Rush and Welcome Programs); Parent and Family Programs; the Purdue Promise program; 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, e-mail sats@purdue.edu, or phone (765) 494-9328. The SATS address is Stewart Center, Room G77A; 128 Memorial Mall Drive; West Lafayette, IN 47907.

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 pro-
grams, immigration advising, and personal and cross-cultural counseling. See the Web site at 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.

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.

Purdue Across Indiana
The Purdue academic system extends across the state with academic programs at four system campuses and several College of Technology locations.

System Campuses
Admission to these system campuses is administered by the admissions department at each campus. These campuses include:

- Indiana University-Purdue University Indianapolis (IUPUI) — Indianapolis, Indiana
- Indiana University-Purdue University Fort Wayne (IPFW) — Fort Wayne, Indiana
- Purdue North Central — Westville, Indiana
- Purdue Calumet — Hammond, Indiana

College of Technology Statewide
Admission to College of Technology Statewide locations is administered by the Office of Admissions at Purdue’s West Lafayette campus. College of Technology Statewide locations include:

- Anderson
- Columbus
- Greensburg
- Indianapolis
- Kokomo
- Lafayette
- New Albany
- Richmond
- South Bend
- Vincennes

For more information about The Purdue System-wide campuses and College of Technology Statewide locations, visit www.purdue.edu and click on “Purdue Across Indiana.”

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 completed 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/bsp.
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 a minimum of 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 their prepharmacy coursework at other Purdue campuses or other colleges or universities.

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. The supplemental Purdue application also is due December 1 for admission to the entering class that fall. This supplemental application is available at 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 prerequisite 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. 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 Requirements**

General chemistry with laboratory (5–8 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)
Biochemistry (3–6 semester hours)
Immunology (3 semester hours)
Introductory Statistics (3 semester hours)

*For admission beginning Fall 2012, the minimum number of total prepharmacy credits is 60 semester hours. Most students will exceed this number.

**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, and databases.

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 beginning with the first pre-B.S.P.S. semester. 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 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 veterans through its affirmative action program.

Any questions or concerns regarding the Nondiscrimination Policy Statement shall be referred to the Vice President for Ethics and Compliance for final determination.

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 in which you are enrolled; etc. Basic minimum costs for the two-semester 2009–10 school year on the West Lafayette campus are shown in the following table. 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.

The Repair and Rehabilitation 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, newspapers and magazines, dry cleaning and laundry, entertainment, etc.

2009–10 Estimated Costs West Lafayette Campus
(Fall and Spring Semesters)

<table>
<thead>
<tr>
<th>Items</th>
<th>Indiana Resident</th>
<th>Nonresident</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition/Fees</td>
<td>$8,638*†</td>
<td>$25,118*†</td>
</tr>
<tr>
<td>Room/Board</td>
<td>8,710</td>
<td>8,710</td>
</tr>
<tr>
<td>Books/Supplies</td>
<td>1,220</td>
<td>1,220</td>
</tr>
<tr>
<td>Travel</td>
<td>310</td>
<td>480</td>
</tr>
<tr>
<td>Miscellaneous</td>
<td>1,760</td>
<td>1,760</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$20,638</strong></td>
<td><strong>$37,288</strong></td>
</tr>
</tbody>
</table>

* First-time students enrolled at the West Lafayette campus beginning in the Summer 2009 Session and thereafter pay these fees. Undergraduate, graduate, and professional students who were enrolled as degree-seeking students prior to the Summer 2009 Session may be eligible for lower fees based upon continuous enrollment. Please see the University Bursar’s Web site at www.purdue.edu/bursar for more information regarding rates.

† 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, $1,000; Management, $1,274; Technology, $500; Flight, individual courses in the program have additional fees that can be reviewed at www.purdue.edu/bursar or by contacting the Department of Aviation Technology. International students pay an additional $60 per semester. Rates and refund schedules are subject to change without published notice.
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 fees, 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.

Financial Aid

To ensure that all students have an opportunity to obtain a college education regardless of their financial circumstances, Purdue 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. Most types of aid also are based upon financial need and satisfactory academic progress. Students must submit a Free Application for Federal Student Aid (FAFSA) online at www.fafsa.ed.gov to be considered for all types of financial aid. Students should apply early for Purdue financial aid. Eligible FAFSAs submitted by March 1 will receive preference in the awarding of aid.

Families are welcome to visit the campus to discuss 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. Telephone counselors are available from 8:00 a.m. to 5:00 p.m. Monday through Friday at (765) 494-0998. Computer access to student aid status is available at mypurdue.purdue.edu.

Resident Assistants

University Residences has a plan whereby graduate and undergraduate students who are at least 21 years of age 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.
Living Accommodations

University housing facilities and programs are available to all students based on Purdue’s policy of equal opportunity regardless of national origin, race, religion, color, or sexual orientation. 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 15 University Residences, a fraternity or sorority house, cooperative housing, or in a privately operated facility within the local community.

Apply for on-campus housing as soon as you have a confirmed interest in attending Purdue. You will need to pay a $100 nonrefundable housing application processing fee (not a deposit).

Apply online at www.housing.purdue.edu, where you can fill out your housing application, choose your preferences, and sign your housing contract. The site also will prompt you 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, both you and your friend must rank your residence preferences in the same order and request the other as a roommate.

May 1 is the housing application deadline. Because the University does not guarantee on-campus housing, it is important that students meet this deadline. Students who apply for housing after the May 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 and sign a housing contract by May 1 will be assigned a random number that will be used to establish priority for hall choice in the housing assignment process. Changes to, or cancellation of, your housing contract may be made until 11:59 p.m., April 30. (Please remember to re-sign the contract if you have made a change to your housing preferences.) Your housing contract becomes binding on May 1. As of that time, your contract can only be cancelled if you do not attend Purdue University during the contract period.

Students requiring special accommodations should contact the University Residences Director’s Office at (765) 494-1000 to discuss their particular needs when their housing application is submitted.

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, e-mail offcampushousing@purdue.edu, or call (765) 494-7663.

University Residences for Undergraduate Men and Women

University Residences provides accommodations for approximately 10,541 single undergraduate men and women.

The all-male residences include Cary Quadrangle, providing accommodations for 1,166 students, and Tarkington, providing space for about 706 students.

Seven University Residences — Earhart, Harrison, Hillenbrand, McCutcheon, Owen, Shreve, and Wiley — 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, Warren, Wood, and Vawter halls comprise the all-women’s residences for the 2009–10 academic year and are referred to as Windsor Halls. Windsor Halls provide accommodations for 595 students.

First Street Towers opened to Purdue sophomores, juniors, and seniors for the Fall 2009 Semester. Each of the main residential floors of First Street Towers contains two clusters of 22 single rooms with private baths, for 356 residents.

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

As a student, you may choose from four meal plans consisting of 10, 12, 15, or 20 meal swipes a week, as suits your lifestyle. University Residences offers students who are 19 years of age or older by August 21, 2009, the Boiler Block Plan, consisting of a block of 246 meal swipes. With this plan, 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 McCutcheon, Meredith, and Tarkington halls. In addition, two computers and a public printer are available in every residence that does not have a computer lab so residents are able to check e-mail and print documents as needed. Residents will have ResNet, a high-speed Internet service, in their room without paying an additional fee.

Room and board rates for the 2009–10 academic year vary from $6,906 to $14,204, depending on your chosen meal plan option, residence, and room size.

Approximately 550 spaces in Hawkins Hall are reserved for assignment to older undergraduate students. Meal plans are not available for residents of Hawkins Hall. Residents of Hawkins may purchase either the Open Dining Card or use BoilerExpress for dining in any University Residences dining facility. Accommodations in Hawkins Hall are on a room-only basis. The cost for a room in Hawkins Hall for the 2009–10 academic year ranges from $375 to $696 a month depending on the type of room selected.

More than 1,000 spaces for single undergraduate students are available in Hilltop Apartments. The apartments house two or three 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 room-only option. The room and board rate for the 2009–10 academic year in Hilltop Apartments ranges from $8,940 to $10,866 a year depending upon the apartment and meal plan selected.

Rates quoted are subject to change as approved by the Board of Trustees and undoubtedly will be somewhat higher during the 2010–11 period of this publication.

Visit www.housing.purdue.edu for additional information.

Accommodations for Married Students/Families

Purdue Village provides students with families convenient housing within a one-mile walking distance of campus and is convenient to shopping and bus routes. The family apartments, operated by University Residences, are unfurnished and equipped with a stove and refrigerator. There are one-bedroom and two-bedroom apartments for families; the two-bedroom apartments include washers and dryers.

One-bedroom family apartment costs range from $582 to $597 a month. Two-bedroom units range from $717 to $732 a month. Your rent payment covers all utilities, including local telephone service and Boiler TV (cable). These rates are effective during the 2009–10 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.

With more than 60 countries represented among the residents, Purdue Village is a global community. Families have the benefit of plenty of yard space and playgrounds, and they can take advantage of Purdue Village Preschool and the English for Speakers of Other Languages (ESOL) Program.

Visit www.housing.purdue.edu for more information about Purdue Village.

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 at (765) 494-1231 or at Schleman Hall, Room 250; 475 Stadium Mall Drive; West Lafayette, IN 47907-2050. Details also are available at www.purduecooperatives.org.

Students are expected to complete and return application information by February 1 or earlier for membership the following fall semester.

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.purduegreeks.com.

Information Technology

The Office of the Vice President for Information Technology is in charge of the integrated computing and telecommunications services on the West Lafayette campus. The information technology (IT) program, formally known by the acronym ITaP, serves Purdue students, faculty, staff, and visitors to campus.

Computing services range from the very visible computing laboratories that are located throughout campus to the unseen but essential enterprise applications that facilitate the business of the University. Computing staff install, maintain, operate, and repair computer equipment. They provide such services as career accounts, e-mail, calendaring, directories, and database administration.

In addition to ITaP’s laboratory facilities, its instructional services include:
1. The Blackboard and Banner course management system.
2. Technology in the Classroom (TIC) sites.
3. Help in preparing multimedia materials to enhance instruction.
4. Help in training students in particular software applications for classroom assignments.
5. Grants for innovative instructional projects including developing courses online using information technology.
6. The Digital Learning Collaboratory, a joint project with the Purdue University Libraries.
7. The Assistive Technology Center for those with special needs.
8. Web-based access to many software applications through Software Remote.

ITaP also provides high-performance research computing equipment and services for faculty through its Rosen Center for Advanced Computing. Multiple Linux clusters, an SGI Altix 4700, and a SiCortex 5832 serve intensive computational needs ranging from engineering and physics simulations and models to computational biology and chemistry. Support for researchers includes partnership on grant proposals; consulting and collaboration on solutions for projects needing advanced computations; management and storage of large data sets; and development of scientific applications, community tools, and science gateways. The HUBzero platform provides Web-based cyberinfrastructure for education and research and supports simulation and modeling in a variety of disciplines, including nanotechnology, pharmaceuticals, and healthcare.

Distributed computing and grid computing are basic elements in the research computing program. ITaP manages DiaGrid, which harnesses tens of thousands of idle processors on and off campus for research and education purposes. Through ITaP, Purdue also has access to resources nationwide on the TeraGrid, the National Science Foundation’s comprehensive cyberinfrastructure for open scientific research, education, and innovation. The optical fiber network known as I-Light links Purdue’s West
Lafayette campus to Indiana University and Indiana University-Purdue University Indianapolis (IUPUI) and joins computers at Purdue and Indiana into a virtual machine room with teraflop capabilities.

The Envision Center for Data Perceptualization provides scientific visualization and multimedia production services, including animation creation and rendering and virtual environment creation, along with computer-aided design, haptic (touch and feel) interaction capabilities, large-scale data handling, and motion capture. The center provides access to, and training for, many popular commercial applications in those areas and can work with faculty members on grant applications and project management needs. The center’s collaboration facilities accommodate on-site and remote participation from multiple locations using technologies such as Polycom, Access Grid, and Web 2.0 technologies.

ITaP also makes video production and audiovisual duplication facilities available as well as satellite uplink and downlink capabilities and broadcast and network services.

ITaP implements and manages campus-wide networks for data and voice communication, improves the security of the data that crosses these networks, and promotes the preservation of personal information security and privacy for all people at Purdue. Telecommunications services provided by ITaP range from basic phone services for campus offices and student residences to telephone operator services and wireless connectivity in the common areas of buildings throughout the campus. ITaP supports the infrastructure that links campus buildings by optical fiber and provides Internet access.

ITaP negotiates contracts and licenses for mass purchases of informational technology equipment and licenses for software used by University personnel. As an additional service, ITaP has negotiated significant discounts for faculty, staff, and students on personal purchases of hardware available through the Web and also for software media sold on campus. The hardware discounts also are available to Purdue alumni. Demonstration computer hardware is displayed at ITaP Shopping Offline in Stewart Center, Room G65. Software is sold at the BoilerCopyMaker in the Purdue Memorial Union, Room 157. Information also is available from www.itap.purdue.edu/shopping.

ITaP offers courses and one-on-one consulting on computing and telecommunications, from selecting phone systems to basic use of Microsoft office applications, programming, visualization, instructional media, e-learning, and research techniques.

For additional information, please consult www.itap.purdue.edu, call (765) 494-4000, or visit the ITaP Customer Service Center in Stewart Center, Room G65; 128 Memorial Mall; West Lafayette, IN 47907-2034.

Libraries

The University Libraries system on the West Lafayette Campus includes 11 subject-oriented libraries, the Hicks Undergraduate Library, and the Karnes Archives and Special Collections Research Center. The Libraries Web site at www.lib.purdue.edu is the Libraries gateway to information services. Libraries faculty and staff provide assistance in person and through www.lib.purdue.edu/askalib; this includes help in gaining access to national and international information. Information about individual libraries can be found under “Libraries and Units” at www.lib.purdue.edu/libraries.

The Libraries offer 2.8 million printed volumes and electronic books, 40,000 electronic and print journals, more than 500 electronic databases, 3.1 million microforms, and access to federal government publications and patents that are received on a depository basis. Local library resources are supplemented by the 4 million items of research materials held by the Center for Research Libraries in Chicago, which includes 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.

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 via e-mail to circservices@purdue.edu or by phone, (765) 494-0369.

The John W. Hicks Undergraduate Library may serve many of a student’s library needs, particularly during the first two years at Purdue. Here students will find assistance in locating information needed for papers and speeches along with an extensive collection of reserve books for course assignments. A 24-hour study lounge and the Undergrounds Coffee Shop are located in the Hicks Undergraduate Library.

The Digital Learning Collaboratory (DLC) is located in Hicks 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.

Additional Libraries facts and figures can be found within Purdue’s Data Digest available at www.purdue.edu/DataDigest.

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 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, 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) include an instructional computing laboratory. The laboratory in RHPH, Room 316, contains 35 work stations, a laser printer, and a scanner.

The laboratory is 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 Disability Resource Center 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/drc. 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 campus-wide Center for Career Opportunities assists students and alumni with their career-related employment search. Counseling, guidance, and a wide variety of job search services related to internships and full-time employment are available.

The center maintains contacts with many industrial and business organizations as well as with governmental and nonprofit agencies. Interviews with employer representatives can be requested, and current openings for internships or full-time positions can be explored. For more information, refer to the center’s home page at www.cco.purdue.edu.

For Further Information

University Regulations. The University Regulations publication will provide details about academic, conduct, and student organization policies and procedures. You can access the Web site at www.purdue.edu/univregs. Printed copies are available from Purdue Marketing and Media; 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. These rates are calculated and made
available as required by the Student Right-to-Know and Campus Security Act.

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. 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.

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; 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 requirements: 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.

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 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 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 (ACPE accreditation standards 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 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 Accreditation Council for 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 40-week period (1,600 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 49800), community pharmacy-based clerkships (PHPR 49900), inpatient direct-patient care clerkships (CLPH 88500), ambulatory patient care clerkships (CLPH 88800), plus a series of elective clerkships (CLPH 88900) 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 is 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 state 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 available through the Graduate School. Visit www.gradschool.purdue.edu.

Graduate Assistantships and Fellowships

Assistantships may be offered to qualified students pursuing advanced degrees in the pharmaceutical sciences. The resources include teaching and research assistantships, Andrews Fellowships, Purdue Research Foundation (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 2009. Please check with the Office of Student Services in the School of Pharmacy and Pharmaceutical Sciences for subsequent changes.

In this “Plans of Study” section, 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 12 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.–Ph.D. dual degree program.

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, department head, and senior associate dean.
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.

Students in this professional program pay fees in addition to those paid by other Purdue students.

2009–10 Estimated Costs Doctor of Pharmacy Program
(West Lafayette Campus)

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<thead>
<tr>
<th>Items</th>
<th>Indiana Resident</th>
<th>Nonresident</th>
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</thead>
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<tr>
<td>Tuition/Fees</td>
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<td>$25,714*</td>
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<tr>
<td>Pharmacy Differential Fees</td>
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<tr>
<td>Travel</td>
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</tr>
<tr>
<td>Miscellaneous</td>
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<td>$1,760</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$31,322</strong></td>
<td><strong>$48,398</strong></td>
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</table>

* First-time students enrolled at the West Lafayette campus beginning in the Summer 2009 Session and thereafter pay these fees. Undergraduate, graduate, and professional students who were enrolled as degree-seeking students prior to the Summer 2009 Session may be eligible for lower fees based upon continuous enrollment. Please see the University Bursar’s Web site at www.purdue.edu/bursar for more information regarding rates. Rates and refund schedules are subject to change without published notice.

Plan of Study for Doctor of Pharmacy*

Credit Hours Required for Graduation: 204

First Prepharmacy Year

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
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<tbody>
<tr>
<td>(4) BIOL 11000 (Fundamentals of Biology I)</td>
<td>(3) AGEC 21700 (Economics)</td>
</tr>
<tr>
<td>(4) CHM 11500 (General Chemistry)</td>
<td>(4) BIOL 11100 (Fundamentals of Biology II)</td>
</tr>
<tr>
<td>(4) ENGL 10600 (First-Year Composition)</td>
<td>(4) CHM 11600 (General Chemistry)</td>
</tr>
<tr>
<td>(3) MA 22300 (Introductory Analysis I)</td>
<td>(3) MA 22400 (Introductory Analysis II)</td>
</tr>
<tr>
<td>(1) PHPR 10000 (Pharmacy Orientation I)</td>
<td>(1–3) Electives</td>
</tr>
<tr>
<td>(16)</td>
<td>(15–17)</td>
</tr>
</tbody>
</table>

* This plan of study is in effect for students entering the first professional year through the Fall 2011 Semester. New prepharmacy requirements and professional program requirements apply to students who will enter the first professional year beginning with the Fall 2012 Semester. Please see the School of Pharmacy Web site, www.pharmacy.purdue.edu, for new curricular requirements.
### Second Prepharmacy Year

#### Third Semester
- (3) BIOL 30100 (Human Design: Anatomy and Physiology)
- (4) MCMP 20400 (Organic Chemistry I)
- (4) PHYS 22000 (General Physics)
- (5) Electives

#### Fourth Semester
- (4) BIOL 22100 (Introduction to Microbiology)
- (3) BIOL 30200 (Human Design: Anatomy and Physiology)
- (4) MCMP 20500 (Organic Chemistry II)
- (5) Electives

### First Professional Year

#### First Semester
- (3) IPPH 36200 (Basic Pharmaceutics I)
- (3) MCMP 30400 (Biological Chemistry I)
- (3) MCMP 31100 (Biometrics and Pharmaceutical Analysis)
- (1) NUPH 41200 (Diagnosis Imaging I)
- (3) PHAD 34300 (Pharmacy in the Health Care System)
- (3) PHPR 31200 (Introduction to Pharmacy and Pharmaceutical Care)
- (1) PHRM 30100 (Integrated Laboratory I)

#### Second Semester
- (3) IPPH 36300 (Basic Pharmaceutics II)
- (3) MCMP 30500 (Biological Chemistry II)
- (3) MCMP 42200 (Introduction to the Immune System and Applications to Immunologic and Genetic Therapies)
- (3) MCMP 44000 (Pathophysiology)
- (0) PHPR 42100 (Professional Service Experience)
- (1) PHRM 30200 (Integrated Laboratory II)
- (3) Electives

### Second Professional Year

#### Third Semester
- (2) CLPH 46900 (Principles of Pharmacy Practice)
- (2) CLPH 86700 (Drug Information Services and Literature Evaluation)
- (3) MCMP 40700 (Medicinal Chemistry and Molecular Pharmacology I)
- (3) MCMP 44100 (Medicinal Chemistry and Molecular Pharmacology II)
- (1) PHRM 40100 (Integrated Laboratory III)
- (5) Electives

#### Fourth Semester
- (3) CLPH 47100 (Pathophysiology and Therapeutics I)
- (3) IPPH 47500 (Biopharmaceutics and Pharmacokinetics I)
- (2) MCMP 40800 (Medicinal Chemistry and Molecular Pharmacology III)
- (3) MCMP 44200 (Medicinal Chemistry and Molecular Pharmacology IV)
- (2) PHAD 47200 (Jurisprudence)
- (0) PHPR 42300 (Practice Skills Experience)
- (1) PHRM 40200 (Integrated Laboratory IV)
- (1–3) Electives

(16)
Third Professional Year

**Fifth Semester**

(6) CLPH 87200 (Pathophysiology and Therapeutics II)
(3) IPPH 87500 (Biopharmaceutics and Pharmacokinetics II)
(3) PHAD 46400 (Management of Professional Practice)
(1) PHPR 46800 (Patient Services Experience)*
(1) PHRM 40300 (Integrated Laboratory V)
(1–3) Electives
(15–17)

**Sixth Semester**

(6) CLPH 87300 (Pathophysiology and Therapeutics III)
(2) IPPH 47100 (Parenteral Products)
(2) PHAD 86300 (Marketing of Professional Services)
(1) PHPR 46800 (Patient Services Experience)*
(1) PHRM 40400 (Integrated Laboratory VI)
(0) PHRM 42400 (Shadowing Experience)
(3–5) Electives
(15–17)

Fourth Professional Year

**Seventh and Eighth Semesters**

<table>
<thead>
<tr>
<th>Semester</th>
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<tbody>
<tr>
<td>44 weeks (44 credits) of core and track-related experiential rotations comprised of:</td>
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<tr>
<td>8 weeks each of Institutional/Community Pharmaceutical Care Rotations</td>
</tr>
<tr>
<td>(PHPR 49800/49900, 8 cr. each)</td>
</tr>
<tr>
<td>8 weeks Inpatient, Direct-Patient Care Rotations (CLPH 88500 — 4 cr. x 2)</td>
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<tr>
<td>8 weeks Ambulatory Medicine Rotations (CLPH 88800 — 4 cr. x 2)</td>
</tr>
<tr>
<td>12 weeks Elective Rotations (CLPH 88900 — 4 cr. x 3)</td>
</tr>
</tbody>
</table>

**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 2009. A new curriculum will be in place for students entering the pre-B.S.P.S. program beginning with the Fall 2010 semester. Please see the school Web site, www.pharmacy.purdue.edu, for new curricular requirements.

* To be taken during semester five or six of professional program.
## 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 11000 (Fundamentals of Biology I)
- **(4)** CHM 11500 (General Chemistry)
- **(1)** IPPH 10000 (Pharmaceutical Sciences Orientation)
- **(5)** MA 16100 (Plane Analytic Geometry and Calculus I)

#### Second Semester

- **(4)** BIOL 11100 (Fundamentals of Biology II)
- **(4)** CHM 11600 (General Chemistry)
- **(4)** ENGL 10600 (First-Year Composition)
- **(5)** MA 16200 (Plane Analytic Geometry and Calculus II)

### Second Year

#### First Semester

- **(3)** BIOL 30100 (Human Design: Anatomy and Physiology)
- **(4)** MCMP 20400 (Organic Chemistry I)
- **(4)** PHYS 22000 (General Physics)
- **(3)** STAT 51100 (Statistical Methods)
- **(2)** Electives

#### Second Semester

- **(4)** BIOL 22100 (Introduction to Microbiology)
- **(3)** BIOL 30200 (Human Design: Anatomy and Physiology II)
- **(4)** MCMP 20500 (Organic Chemistry II)
- **(4)** PHYS 22100 (General Physics)
- **(2)** Electives

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

### Third Year

#### First Semester

- **(4)** CHM 32100 (Analytical Chemistry I)
- **(3)** IPPH 36200 (Basic Pharmaceutics I)
- **(3)** MCMP 30400 (Biological Chemistry I)
- **(3)** STAT 512 (Regression Analysis)
- **(3)** Electives

#### Second Semester

- **(4)** CHM 37200 (Physical Chemistry)
- **(3)** IPPH 36300 (Basic Pharmaceutics II)
- **(3)** MCMP 30500 (Biological Chemistry II)
- **(3)** MCMP 44000 (Pathophysiology)
- **(3)** Electives

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

### Fourth Year

#### First Semester

- **(3)** IPPH 52100 (Drug Development)
- **(3)** IPPH 56200 (Introduction to Pharmaceutical Processes)
- **(3)** IPPH 58000 (Physical Chemical Principles)
- **(3)** MCMP 57000 (Basic Principles of Chemical Action on Biological Systems)
- **(4)** Electives

#### Second Semester

- **(3)** IPPH 47500 (Biopharmaceutics and Pharmacokinetics I)
- **(3)** IPPH 58300 (Advanced Biopharmaceutics)
- **(3)** MCMP 42200 (Introduction to the Immune System and Applications to Immunologic and Genetic Therapies)
- **(7)** Electives

*In the industrial and physical pharmacy specialization, suggested electives include ABE 21000 (Biological Applications of Material and Energy Balances); STAT 51300 (Statistical Quality Control); and STAT 51400 (Design of Experiments). Each course is three credit hours.
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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>BIOL 11000</td>
<td>Fundamentals of Biology I</td>
<td>4</td>
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<tr>
<td>CHM 11500</td>
<td>General Chemistry</td>
<td>4</td>
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<tr>
<td>IPPH 10000</td>
<td>Pharmaceutical Sciences Orientation</td>
<td>1</td>
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<tr>
<td>MA 16100</td>
<td>Plane Analytic Geometry and Calculus I</td>
<td>5</td>
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</table>

#### Second Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>BIOL 11100</td>
<td>Fundamentals of Biology II</td>
<td>4</td>
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### Second Year

#### First Semester

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<tr>
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<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>BIOL 30100</td>
<td>Human Design: Anatomy and Physiology</td>
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<td>MCMP 20400</td>
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<td>PHYS 22000</td>
<td>General Physics</td>
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<td>STAT 50300</td>
<td>Statistical Methods for Biology</td>
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#### Second Semester

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<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>BIOL 22100</td>
<td>Introduction to Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 30200</td>
<td>Human Design: Anatomy and Physiology</td>
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</tr>
<tr>
<td>MCMP 20500</td>
<td>Organic Chemistry II</td>
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</tr>
<tr>
<td>PHYS 22100</td>
<td>General Physics</td>
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### Summer Internship (optional)

#### Third Year

#### First Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>CHM 32100</td>
<td>Analytical Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>IPPH 36200</td>
<td>Basic Pharmaceutics I</td>
<td>3</td>
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<td>MCMP 30400</td>
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#### Second Semester

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<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>CHM 37200</td>
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<tr>
<td>IPPH 36300</td>
<td>Basic Pharmaceutics II</td>
<td>3</td>
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<tr>
<td>MCMP 30500</td>
<td>Biological Chemistry II</td>
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<td>MCMP 44000</td>
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### Summer Internship (optional)

#### Fourth Year

#### First Semester

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#### Second Semester

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<tbody>
<tr>
<td>IPPH 47500</td>
<td>Biopharmaceutics and Pharmacokinetics I</td>
<td>3</td>
</tr>
<tr>
<td>MCMP 40800</td>
<td>Medicinal Chemistry and Molecular Pharmacology III</td>
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<td>MCMP 42200</td>
<td>Introduction to the Immune System and Applications to Immunologic and Gene Therapies</td>
<td>3</td>
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<tr>
<td>MCMP 44200</td>
<td>Medicinal Chemistry and Molecular Pharmacology IV</td>
<td>3</td>
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<tr>
<td>Electives</td>
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| Electives   |                                                   | (16)         |
Information about Courses

Official Purdue University course information is available on the Web at www.courses.purdue.edu. Click on the “Search by term” 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 term, subject area, and course number, 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.

School of Pharmacy Administration, Professional Staff, and Faculty

Administration
Craig Svensson, Pharm.D., Ph.D., Dean of the College of Pharmacy, Nursing, and Health Sciences
Holly L. Mason, Ph.D., Senior Associate Dean of the College of Pharmacy, Nursing, and Health Sciences
Steven R. Abel, Pharm.D., Assistant Dean for Clinical Programs, School of Pharmacy and Pharmaceutical Sciences
Eric L. Barker, Ph.D., Assistant Dean for Graduate Programs, College of Pharmacy, Nursing, and Health Sciences
Val J. Watts, Ph.D., Associate Dean for Research, College of Pharmacy, Nursing, and Health Sciences

Heads of Instructional Departments
Steven R. Abel, Pharm.D., Head of the Department of Pharmacy Practice
Richard F. Borch, M.D., Ph.D., Head of the Department of Medicinal Chemistry and Molecular Pharmacology
Elizabeth M. Topp, Ph.D., Head of the Department of Industrial and Physical Pharmacy

Professional Personnel
Robert W. Bennett, M.S., Director, Pharmacy Continuing Education
Patricia L. Darbishire, Pharm.D., Director, Introductory Pharmacy Practice Experience
Joseph E. Dubes, B.S. Pharm., Senior Director, Office of Student Services
Alan P. Farkas, M.S., Staff Pharmacist, Purdue University Pharmacy
T. Patrick George, B.S. Pharm., Director, Professional Program Admissions and Recruitment
Mary L. Grable, B.S. Pharm., Assistant Director, Purdue University Pharmacy
Susan Holladay, Ph.D., Director of Laboratories
Sylvia C. Howell, M.S., Associate Director, Student Services and Director, B.S. in Pharmaceutical Sciences Program
Jackie B. Jimerson, M.S., Director, Multicultural Programs and Senior Associate Director, Student Services
Holly W. Keckler, M.S., Associate Director for Recruitment, Office of Student Services
Vicki J. Killion, M.L.S., Librarian, College of Pharmacy, Nursing, and Health Sciences, and Assistant Professor of Library Science
Cynthia P. Koh-Knox, Pharm.D., Associate Director, Pharmacy Continuing Education
Deborah Lewis, B.S., Academic Advisor
Tiffany E. Mousel, M.A., Assistant Director, Office of Student Services
Christiane L. Nash, Pharm. D., Associate Director, Experiential Learning
Rebecca R. Quackenbush-Siders, Pharm.D., Staff Pharmacist, Purdue University Pharmacy
Mark E. Sharp, A.S., Director, Hook Telecommunications Center
Brian M. Shepler, Pharm.D., Director, Experiential Learning
Susan E. White, B.S. Pharm., Director, Purdue University Pharmacy
G. Thomas Wilson, Pharm. J.D., Board of Pharmacy Liaison

Department of Industrial and Physical Pharmacy
Elizabeth M. Topp, Head of the Department

Named Professors: E. M. Topp, Ph.D., Dane O. Kilsig Chair in Industrial and Physical Pharmacy; S. R. Byrn, Ph.D., Charles B. Jordan Professor of Medicinal Chemistry; K. Park, Ph.D., Showalter Distinguished Professor of Biomedical Engineering

Professors: R. E. Galinsky, Pharm.D.; M. A. Green, Ph.D.; S. L. Hem, Ph.D.; J. D. Litster, Ph.D.; G. V. Reklaitis, Ph.D. (courtesy); V. Venkatasubramanian, Ph.D. (courtesy)

Professors Emeriti: P. F. Belcastro, Ph.D.; G. E. Peck, Ph.D.; S. M. Shaw, Ph.D.

Associate Professors: G. T. Knipp, Ph.D.; R. Pinal, Ph.D.; L. S. Taylor, Ph.D.; C. R. Wassgren, Ph.D. (courtesy)

Assistant Professors: M. T. Carvajal, Ph.D.; D. Smith, Ph.D. (visiting); Y. Yeo, Ph.D.

Continuing Lecturer: M. J. Schmidt, Ph.D.


Department of Medicinal Chemistry and Molecular Pharmacology
Richard F. Borch, Head of the Department

Dean Emeritus: C. O. Rutledge, Ph.D.

Distinguished Professors: R. F. Borch, M. D., Ph.D., Lilly Distinguished Professor of Medicinal Chemistry and Molecular Pharmacology; A. K. Ghosh, Ph.D., Distinguished Professor of Chemistry and Medicinal Chemistry and Molecular Pharmacology; G. M. Loudon, Ph.D., Gustav E. Cwalina Distinguished Professor of Medicinal Chemistry

Named Professors: D. E. Bergstrom, Ph.D., Walther Professor of Medicinal Chemistry; D. E. Nichols, Ph.D., Robert C. and Charlotte P. Anderson Distinguished Chair in Pharmacology


Associate Professors: C. L. Ashendel, Ph.D.; E. L. Barker, Ph.D.; G. H. Hockerman, Ph.D.; C.-D. Hu, Ph.D.; D. J. Riese II, Ph.D.; J.-C. Rochet, Ph.D.; V. J. Watts, Ph.D.

Affiliate Professor: G. P. Carlson, Ph.D.

Adjunct Professors: W. M. Baird, Ph.D.; J. M. Pezzuto, Ph.D.

Department of Pharmacy Practice

S. R. Abel, Head of the Department
S. A. Scott, Associate Head of the Department

Named Professor: S. R. Abel, Pharm D., FASHP, Bucke Professor of Pharmacy Practice

Professors: R. W. Bennett, M.S.; B. C. Carlstedt, Ph.D., FASHP; H. L. Mason, Ph.D., FAPhA; K. M. Sowinski, Pharm.D., BCPS, FCCP; J. Thomas III, Ph.D., FAPhA; J. E. Tisdale, Pharm.D., BCPS, FCCP

Professors Emeriti: C. H. Brown, M.S.; M. M. Losey, M.S.; N. G. Popovich, Ph.D.


Adjunct Professors: J. S. McComb, Pharm.D.; R. A. McDowell, M.Sc.; C. M. Scott, Pharm.D., BCPS

Director, Purdue University Pharmacy: S. E. White, B.S. Pharm.

Assistant Director, Purdue University Pharmacy: M. L. Grable, B.S. Pharm.


Director, Experiential Programs: B. M. Shepler, Pharm.D.

Associate Director, Experiential Programs: C. L. Nash, Pharm.D.

Director, Pharmacy Continuing Education: R. W. Bennett, M.S.

Associate Director, Pharmacy Continuing Education: C. P. Koh-Knox, Pharm.D.

Director, Hook Telecommunications Center: M. E. Sharp, A.S.

Director, Introductory Pharmacy Practice Experience: P. L. Darbishire, Pharm.D.
Instructional Units

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
Engineering Education
Industrial Engineering
Interdisciplinary Engineering
Materials Engineering
Mechanical Engineering
Nuclear Engineering

Health Sciences

Liberal Arts
Aerospace Studies
Anthropology
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
Speech, Language, and Hearing Sciences
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 and Information Technology
Electrical and Computer Engineering Technology
Industrial Technology
Manufacturing Engineering Technology
Mechanical Engineering Technology
Organizational Leadership and Supervision

Veterinary Medicine
Basic Medical Sciences
Comparative Pathobiology
Veterinary Clinical Sciences
Veterinary Medicine
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