

GENERAL INFORMATION

General Information

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ACADEMIC CALENDAR

1998-2000

Fall 1998

Drop/Add Period Begins	Monday, August 24
Classes Begin for All Students	Monday, August 31
Labor Day Holiday	Monday, September 7
Drop/Add Period Ends	Friday, September 11
Open House	Sunday, November 1
Spring Registration	Monday-Friday, November 16-20
Thanksgiving Recess	Thursday-Friday, November 26-27
Thursday Schedule	Tuesday, December 8
Friday Schedule	Wednesday, December 9
Break	Thursday, December 10
Final Exams Begin	Friday, December 11
Reading Day (no classes or exams)	Wednesday, December 16
Final Exams End	Friday, December 18
First Semester Ends	Friday, December 18

Spring 1999

Drop/Add Period Begins	Wednesday, January 13
Fall Semester Make-Up Exams	Thursday, January 14
Second Semester Begins	Monday, January 18
Drop/Add Period Ends	Friday, January 29
Spring Recess Begins	Monday, March 8
Classes Resume	Monday, March 15
Writing Proficiency Exam	Thursday, March 25
Fall Registration	Monday-Friday, April 12-16
Student Appreciation Day	Thursday, April 22
Last Class before Final Exams	Friday, April 30
Final Exams Begin	Monday, May 3
Reading Day (no classes or exams)	Wednesday, May 5
Final Exams End	Friday, May 7
Second Semester Ends	Friday, May 7

Academic Calendar

Fall 1999

Drop/Add Period Begins	Monday, August 23
Classes Begin for All Students	Monday, August 30
Labor Day Holiday	Monday, September 6
Drop/Add Period Ends	Friday, September 10
Open House	Sunday, November 7
Spring Registration	Monday-Friday, November 15-19
Thanksgiving Recess	Thursday-Friday, November 25-26
Thursday Schedule	Tuesday, December 7
Friday Schedule	Wednesday, December 8
Break	Thursday, December 9
Final Exams Begin	Friday, December 10
Reading Day (no classes or exams)	Wednesday, December 15
Final Exams End	Friday, December 17
First Semester Ends	Friday, December 17

Spring 2000

Drop/Add Period Begins	Wednesday, January 12
Fall Semester Make-Up Exams	Thursday, January 13
Second Semester Begins	Monday, January 17
Drop/Add Period Ends	Friday, January 28
Spring Recess Begins	Monday, March 13
Classes Resume	Monday, March 20
Writing Proficiency Exam	Thursday, March 30
Fall Registration	Monday-Friday, April 10-14
Last Class before Final Exams	Friday, April 28
Final Exams Begin	Monday, May 1
Reading Day (no classes or exams)	Wednesday, May 3
Final Exams End	Friday, May 5
Second Semester Ends	Friday, May 5

THE UNIVERSITY

University of the Sciences in Philadelphia is an independent institution of higher education with a commitment to excellence in teaching, research and service. Since its founding in 1821, the institution has steadily grown, evolving from its initial incarnation as Philadelphia College of Pharmacy (the first college of pharmacy in North America) to Philadelphia College of Pharmacy and Science to University of the Sciences in Philadelphia, its name as of July 1998. This name reflects the university status granted the institution by the Commonwealth of Pennsylvania in 1997 and represents the depth of our current program offerings.

Mission

The mission of University of the Sciences in Philadelphia is to provide undergraduate, professional and graduate education in the health professions and natural sciences. The University recognizes the following as essential components of its mission:

- To assist students in acquiring the scientific and technical knowledge, competencies and skills required for successful practice and advancement in their chosen profession.
- To provide a foundation of general education that prepares students intellectually, culturally and ethically for their professional and personal lives.
- To create an environment that fosters learning as well as an appreciation of, and respect for, individuals of diverse cultural backgrounds.
- To promote the advancement and dissemination of knowledge through research and scholarly activity in those disciplines consistent with the educational mission of the University.
- To cultivate in faculty, staff and students a commitment to service for the professions and the community.

Values

University of the Sciences in Philadelphia upholds the following values:

- We believe that the University is a partnership of people. Our students, faculty, staff and alumni are our principal assets.
- We accept teaching as primary to our mission and recognize the contribution of scholarly activity to the learning process.
- We support a personal educational experience in which intellectual, social and professional development of the individual student is of paramount concern.
- We recognize the unique composite of liberal and scientific learning as the basis of education at the University.
- We equip our students with the tools for lifelong learning, recognizing that knowing how to continue learning will be more important than any single set of skills acquired in school.
- We affirm that the University is a scholarly community where students, faculty, alumni and staff participate together in personal and professional growth.
- We value the loyalty and commitment of individuals to the institution.
- We accept our responsibility to conduct our affairs in a collegial manner and with a firm sense of integrity.
- We acknowledge our commitment to provide responsibly managed, high-quality programs at reasonable costs.
- We accept our responsibility to contribute to the communities in which we live and work.

HISTORY

University of the Sciences in Philadelphia was founded in 1821 as Philadelphia College of Pharmacy by a group of 68 Philadelphia apothecaries who met in Carpenters' Hall to establish improved scientific standards and to train more competent apprentices and students. Although matriculation was originally limited to men, the institution became coeducational in 1876.

From the beginning, the institution emphasized the biological and chemical sciences as mainstays of the curriculum in pharmacy. Later, separate curricula in bacteriology, biology and chemistry were instituted. In 1921 the name was changed to Philadelphia College of Pharmacy and Science, with State authorization to grant not only the baccalaureate degree but also the master's and doctorate in all four disciplines.

Subsequently, Master of Science and PhD programs were established in pharmacology and toxicology, medicinal chemistry and pharmacognosy, and pharmaceuticals, as well as a Master of Science in Pharmacy Administration. The baccalaureate degree program offerings were expanded to include:

- medical technology (1965);
- pharmacology and toxicology (1979);
- biochemistry (1983);
- microbiology (1987);
- pharmaceutical chemistry (1993);
- biomedical writing (1997);
- environmental science (1997);
- health psychology (1997);
- pharmaceutical technology (1998);
- pharmaceutical marketing and management (1998).

The advanced professional program in pharmacy leading to the degree of Doctor of Pharmacy was inaugurated in 1967, and the entry-level Doctor of Pharmacy Program and the Flexible Option Doctor of Pharmacy Program for licensed pharmacists were initiated in 1994. Integrated undergraduate-profes-

sional degree programs were established that lead to a BS in Health Science and a Master of Physical Therapy (1982) and a BS in Health Science and Master of Occupational Therapy (1994). A joint degree program in physician assistant studies, leading to a BS in Health Science from the University and an MS from the Philadelphia College of Osteopathic Medicine, was established in 1997.

In Fall 1990, a Science Teacher Certification Program was introduced. Master of Science programs in biomedical writing, cell biology and biotechnology, and health psychology were established in 1997.

In February 1997, the Commonwealth of Pennsylvania approved the institution's application for university status, and on July 1, 1998, the institution changed its name to University of the Sciences in Philadelphia. The University consists of four colleges:

- Philadelphia College of Pharmacy;
- College of Arts and Sciences;
- College of Health Sciences; and
- College of Graduate Studies.

Many founders and leaders of major pharmaceutical companies have graduated from the Philadelphia College of Pharmacy, University of the Sciences in Philadelphia. Among them are:

- Dr. Eli Lilly (1907) and Josiah K. Lilly (1882), of Eli Lilly and Company;
- Gerald F. Rorer (1931), of Rhône-Poulenc Rorer, Inc.;
- William R. Warner (1856), of Warner-Lambert Company, Inc.;
- Robert L. McNeil, Jr. (1938) and Robert McNeil (1876), of McNeil Pharmaceuticals;
- John Wyeth (1854), of Wyeth-Ayerst Laboratories; and
- Silas M. Burroughs (1877) and Sir Henry S. Wellcome (1874), of Glaxo Wellcome, Inc.

ACCREDITATION

University of the Sciences in Philadelphia is accredited by the Commission on Higher Education of the Middle States Association of Colleges and Schools, 3624 Market Street, Philadelphia, PA 19104, (215) 662-5606. The Commission on Higher Education is an institutional accrediting agency recognized by the U.S. Secretary of Education and the Council for Higher Education Accreditation.

Philadelphia College of Pharmacy is a member of the American Association of Colleges of Pharmacy. Degrees leading to pharmacy practice licensure are accredited by the American Council on Pharmaceutical Education (ACPE). Its offices are located at 311 West Superior Street, Chicago, IL 60610, (312) 664-3575. The ACPE is an autonomous and independent agency whose board of directors (the decision- and policy-making body) includes pharmacy educators, pharmacy practitioners, state board of pharmacy members/executives, and public representation. A three-membered public interest panel also provides public perspectives in the policy and decision-making processes of accreditation.

The Master in Physical Therapy (MPT) program is accredited by the Commission on Accreditation in Physical Therapy Education of the American Physical Therapy Association. The agency is recognized by the U.S. Department of Education, by the Council for Higher Education Accreditation and by the House of Delegates of the American Physical Therapy Association. The address for the accrediting agency is: 1111 North Fairfax Street, Alexandria, VA 22314. Phone: (703) 684-2782.

BS degrees offered through the Department of Chemistry & Biochemistry are certified by the American Chemical Society, provided students include in their program specified chemistry electives.

The program in medical technology is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS), 8410 West Bryn Mawr Avenue, Suite 670, Chicago, IL 60631-3415. Affiliation of hospi-

tal schools with institutions offering a degree program is endorsed by NAACLS, and the combined four-year program has been approved by the Pennsylvania State Board of Medical Education and Licensure.

The Science Teacher Certification Program is accredited by the Commonwealth of Pennsylvania Department of Education, Division of Teacher Education, Bureau of Teacher Preparation and Certification. University of the Sciences in Philadelphia grants Pennsylvania Department of Education secondary certifications in biology, chemistry and general science in addition to a K-12 certification in environmental education. The Bureau of Teacher Preparation and Certification has reciprocal agreements with the following: Alabama, California, Connecticut, Delaware, District of Columbia, Florida, Hawaii, Idaho, Indiana, Kentucky, Maryland, Massachusetts, New Hampshire, New Jersey, New York, North Carolina, Ohio, Rhode Island, South Carolina, Utah, Vermont, Virginia, Washington, and West Virginia. The address of the Department of Education is 333 Market Street, Harrisburg, PA 17126-0333. Phone: (717) 297-2967.

The program in occupational therapy has applied for accreditation and has received Developing Program status from the Accreditation Council for Occupational Therapy Education (ACOTE), a specialized accrediting agency recognized by the U.S. Department of Education. ACOTE can be contacted at: 4720 Montgomery Lane, P.O. Box 31220, Bethesda, MD 20824-1220, (301) 652-6611 ext. 2912.

The University of the Sciences in Philadelphia and Philadelphia College of Osteopathic Medicine Department of Physician Assistant Studies has completed an accreditation review and is judged to be in compliance with the nationally established standards as set forth by the Commission on Accreditation of Allied Health Education Programs (CAAHEP) and the Accreditation Review Committee on Education for the Physician Assistant (ARC-PA).

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All degree programs of the University are approved by the Pennsylvania Department of Education.

The University meets all the criteria for approval for Veterans Education under the provisions of Title 38, United States Code, Section 3675.

POLICIES

Nondiscriminatory/Affirmative Action Policies

University of the Sciences in Philadelphia is committed to the principles of equal employment and equal access to education for all persons, regardless of gender, age, disability, race, creed, color, sexual orientation or national origin. This fundamental University policy is founded on the belief that the determinants of opportunities for achievement and personal fulfillment must be based on individual ability, interest and merit. The University considers this policy morally, socially and economically, as well as legally, sound.

Therefore, University of the Sciences in Philadelphia admits students of any gender, age, disability, race, creed, color, sexual orientation or national origin to all the rights, privileges, programs, and activities generally accorded or made available to students at the University. It does not discriminate on these bases in the administration of its educational policies, admission policies, scholarship and loan programs, athletic and other University-administered programs. This University policy—which complies with applicable statutes and regulations—extends to employment.

This conscious policy of affirmative action applies to the full range of employment practices including recruitment, hiring, promotions, compensation, benefits and conditions of work. It is also applicable to recruitment, admissions, supporting services, facilities, activities, and programs for students.

Inquiries concerning the implementation of any of these policies may be referred to the affirmative action officer.

Family Educational Rights and Privacy Act

University of the Sciences in Philadelphia is in compliance with the Family Educational Rights and Privacy Act of 1974, revised 1988. A copy of the policy established pursuant to the Act may be obtained from the Office of the Registrar.

FINANCIAL RESOURCES

The University has operated as a private, independent institution since its founding. In keeping with its private status, the major portion of the University's income is received from student tuition.

The University is fortunate in having many dedicated and loyal alumni and friends whose support has contributed substantially to the size of the endowment fund. The endowment permits the University to maintain a tuition rate that is below the national average for private colleges and universities.

PUBLICATIONS

The American Journal of Pharmacy has been published continuously by the University since 1825. The content represents advances in the health care environment. It is published annually. Subscription information may be obtained by writing to the Office of Professional Programs.

Published five times a year, the *Bulletin of University of the Sciences in Philadelphia* is sent without charge to alumni and friends of the University. Its content reflects the accomplishments and growth of the University and its alumni.

The University is responsible for publication of *Remington: The Science & Practice of Pharmacy*, the most widely used textbook and reference work on pharmaceutical sciences in the nation. Publication of the text was begun in 1885 by Joseph Price Remington, professor and later dean at the University, as *Practice of Pharmacy*. Subsequent to his death, the copyright for this text was assigned to the University by the heirs of Professor Remington.

The Remington textbook has provided a comprehensive source of knowledge about the science and practice of pharmacy. The book provides information to help both students and practitioners serve effectively as members of the health professions team. The 20th edition of the book will be published in 2000.

CAMPUS FACILITIES AND RESOURCES

Griffith Hall, the principal University building, houses state-of-the-art multimedia lecture halls, laboratories, and many of the administrative and faculty offices, including the Offices of the President, the Dean of Arts and Sciences, the Dean of Health Sciences, and the Dean of Pharmacy. Offices, classrooms and training facilities for the Department of Chemistry & Biochemistry and the Department of Occupational Therapy are located on the first floor, as are the Admission Office and the Financial Aid Office.

A newly redesigned and constructed facility to support advanced health care education is housed in the former Griffith Hall 208 laboratory. The new 6,000 square foot facility contains three units: a Multifunctional Laboratory, a Physical Assessment Unit and a Health Information Unit. The facility is designed to support research, education and training incorporating high technology and advanced computer-assisted learning.

The **Teaching and Learning Center** is also located on the second floor of Griffith Hall and provides faculty members with the resources to help students learn more effectively. The center offers consultation services to faculty members who are interested in exploring new teaching strategies and helping students become active participants in their own learning. In addition, the center sponsors workshops and informal discussion groups on topics such as understanding students' learning styles, improving students' thinking skills and developing appropriate tests and assignments. The center, which is supported by a major grant from the Pew Charitable Trusts as well as gifts from the Bristol-Myers Squibb, SmithKline Beecham and other foundations,

houses a collection of books and other reading material about university teaching and learning.

Offices and laboratories for the Department of Biological Sciences are located on the third floor of Griffith Hall.

The heart of the Information Technology services emanates from the basement of Griffith. This includes all telephony and voicemail, Internet access, E-mail, cable TV, and all administrative and desktop computing.

The University is home to some 8,000 pharmaceutical containers, medicines, botanicals and other equipment dating back five centuries. **The Marvin Samson Center for the History of Pharmacy** houses this rare collection.

Among the laboratories are the Teaching Laboratories in Biology, Chemistry, Physics, Pharmacy Practice, and the Industrial and Manufacturing Pharmacy Laboratory.

The **Pharmacology-Toxicology Center** houses classrooms, teaching and research laboratories, faculty offices and conference rooms, a vivarium and a multimedia auditorium.

The laboratories located in the **Robert McNeil Graduate Study and Research Center** contain much of the University's precision analytical and spectrophotometric equipment. Atop McNeil is the **Albert Penick Experimental Greenhouse**, used for graduate study in medicinal chemistry and pharmacognosy.

Kline Hall houses the vice president for finance and administration; the Student Health Office and the Cashier's Office, which provides student banking services; the Controller's Office; and the offices for the Department of Social Sciences. **The Annex** houses offices for the Department of Humanities.

The Office of the Vice President for Academic Affairs, the Student Affairs Complex, the Registrar's Office, the Office of Institutional Advancement, the Alumni and University Relations Offices and offices for the Department of Mathematics, Physics, and Computer Science are located in **Whitecar Hall**. The University bookstore and The Computer Store are located on the first floor,

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as are the **Writing Center**, **Academic Success Center** and **Darkroom Media Center**.

The **Writing Center** provides students, faculty and staff with assistance in any kind of writing task. Students may get help with writing assignments for any class. Computers are available for use with writing projects, and computerized programs related to writing can assist students with finding ideas, composing and checking their work. Help with resumes and applications is also available. Tutoring sessions are available by appointment, but drop-ins are also welcome. The center is staffed by faculty and peer tutors. Hours are posted each semester.

The **Academic Success Center** is designed to assist students in the development of effective academic skills and habits, as well as to assist highly motivated and committed students with course content when needed.

Alumni Hall/Rosenberger Auditorium houses complete auditorium and gymnasium facilities, including a basketball court used for intercollegiate competition and a rifle range. It is home for the basketball team.

Rosenberger Hall contains a large lecture hall, classrooms and several offices. **4500 Woodland Avenue Building** houses classrooms and the Security Office. The **Physical Therapy Building**, the newest addition on campus, is located adjacent to the 4500 Woodland Building. This facility houses the administrative and faculty offices and laboratories of the Departments of Physical Therapy and Physician Assistant Studies.

The **Joseph W. England Library** contains books, periodicals and electronic resources to support study in all the curricula. Its collection of pharmaceutical literature has a national reputation.

Through its membership in the Health Sciences Libraries Consortium, the library is linked electronically with all the other academic health science institutions in the state. Our students may also use Drexel University's library and 35 other Delaware Valley college libraries, which are members of the Tri-State College Library Cooperative.

Students and faculty have electronic access to all relevant computer databases as well as

the information resources located on the Internet. Users may dial up the library and its databases 24 hours a day, seven days a week, from any telephone line anywhere.

The library's **Learning Resource Center** provides a number of services for students on the second floor of the library. A microcomputer lab with both Macintosh and IBM compatible personal computers has word processing, spreadsheet, database and presentation software, and is open 92 hours a week. Laser printers and a color scanner are available for student use for a small fee.

The center also contains audiovisual equipment available for either review purposes or pleasure—VCRs, disk and tape players. Students who need to prepare audiovisual aids for classroom presentations will find both equipment and materials to make computer presentation overhead transparencies, signs, charts, graphs and labels.

Perhaps most important for students, the library staff provides orientation and instruction in library use with an emphasis on acquiring the skills necessary for locating and using information, whether in print or electronic form. These skills, once learned, will provide lifelong essential knowledge required for professional research. After graduation, alumni may continue to use the library. In addition to a library card, alumni receive special rates for online searching, document delivery and use of the library's electronic resources.

The **McNeil Athletic Fields** include a jogging track, women's softball field and tennis courts.

The **Wilson Student Center** provides student meeting rooms, recreation, residence hall space and a dining facility, as well as a new computer teaching and learning laboratory.

RESIDENCE OPTIONS

Goodman Hall

A four-story brick-faced building that accommodates 357 residents, Goodman Hall is located next to Wilson Student Center. Most rooms are designed for two or three students. A limited number of single rooms are

available primarily for resident advisors, students with disabilities and some upperclass residents. Quiet study rooms are provided on three floors, and TV lounges and laundry facilities are located on two floors. The first floor has two game-room areas for activities such as pool, table games and ping-pong. Since the hall has only one small efficiency kitchen (for late-night snacks, etc.), residents must participate in one of the three available food service plans, with meals served in Wilson Student Center. Goodman Hall has a live-in resident director and an upperclass resident advisor for every 40-45 students. Limited off-street parking is available.

Osol Hall

Located on 42nd Street, one block north of the University, Osol Hall has separate apartmentlike suites for 176 students with an adjacent parking lot. Nine students can be accommodated in each unit composed of four bedrooms, a study and living room, a complete bath and kitchen facilities. There is a live-in resident director, and an upperclass resident advisor for every four suites. Six optional food service plans are available for Osol Hall residents, with meals served in Wilson Student Center.

Wilson Hall

This is an "honor hall," designed for upperclass students who are serious about maximizing their University experience and desire an atmosphere conducive to learning and their personal growth and development. It is a two-floor residence hall housing 86 students. Each floor has two large bathrooms, a lounge/TV room and a study room. Residents participate in one of the three available food service plans served in the Wilson Student Center. Wilson Hall has a resident advisor for every 42 students and is managed by the live-in director of Osol Hall.

Transfer/Nontraditional Student Housing Option

The Residence Life Office has allocated a certain number of spaces in Goodman, Osol and Wilson Halls for transfer and nontraditional students. These areas are designated to

assist in the students' transition to residential living at the University. We hope this concept enhances their college experience by assigning the students to live with other nontraditional and transfer students. The director for nontraditional and international students coordinates special programs and services for these groups of students.

Fraternity Housing

Of the 12 fraternities on campus, the following three have houses located near the University campus that can accommodate a limited number of fraternity members: Kappa Psi, Phi Delta Chi, and Upsilon Sigma Phi.

Off-Campus Housing

Information concerning local rental units including rooms, apartments, efficiencies and houses that are generally situated within walking distance of the University is maintained and updated as required by the Student Affairs Complex.

PROFESSIONAL PROGRAMS

The Office of Professional Programs (OPP) provides creative and objective solutions relating to pharmaceutical and health care issues through education, research, publications and training programs. The OPP includes the following divisions: the Center for Health Care Management, the Geriatric Pharmacy Institute, the Institute for Health Economics, the Center for Professional Education, and Advanced Concepts.

Center for Health Care Management (CHCM)

The CHCM provides diverse services promoting optimal drug use and pharmaceutical care management. It has assisted numerous agencies, organizations and institutions in designing, implementing and evaluating pharmaceutical programs in various health care settings. Services can be customized to meet individual client needs and to provide assistance in optimization of drug utilization, program benefits design, training, research and

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consulting services. Areas of expertise include formulary development and management, capitation program management and disease management programs.

The CHCM offers a comprehensive approach for facilitating positive patient outcomes.

Geriatric Pharmacy Institute (GPI)

The GPI provides geriatric-focused educational programs and services for health care providers, managed care organizations, practitioners, government agencies and technology assessment firms. The GPI engages in research programs focused on outcomes assessment and drug use trends in the elderly. The management of geriatric-specific formularies is one mechanism by which the GPI assures positive patient outcomes in this population.

The GPI also specializes in coordinating the development of expert panel derived, clinical guidelines for the long-term care setting.

Institute for Health Economics (IHE)

The IHE is a research and policy center dedicated to innovation and advancement in pharmaco-economic research and analysis. The IHE brings together specialists for its activities including those in epidemiology, health economics and finance, quality of life, clinical research, outcomes research and medical sociology. The IHE is well-equipped for data base analysis and modeling.

The IHE also offers fellowships in managed care and pharmaco-economic outcomes.

Center for Professional Education

The Center for Professional Education develops and implements a broad range of continuing education initiatives targeting health care professionals. Pharmacists, nurses, physicians and allied health care providers stay abreast of new developments in health care and maintain eligibility for relicensure by participating in the continuing education programs offered.

University of the Sciences in Philadelphia is one of the largest providers of pharmacy continuing education in the country. As an approved provider of continuing pharmaceutical education by the American Council on Pharmaceutical Education (ACPE), we comply with the ACPE "Criteria for Quality and Interpretive Guidelines" for all accredited programs.

The University is also approved by the American Nurses Credentialing Center (ANCC) to offer continuing education programs in nursing. In addition, Professional Education cooperates with other institutions to provide approved, continuing medical education programs for physicians.

A variety of media are used to deliver these programs, including printed enduring material, CD ROM, videotape and live lectures. One of the division's most popular services is the Philadelphia College of Pharmacy/*American Druggist* continuing education program, distributed monthly to more than 100,000 pharmacists nationwide. Professional Education also collaborates with pharmaceutical corporations, medical communication companies and medical publishers to develop national and regional symposia, workshops, focus groups, newsletters and primers.

Advanced Concepts

Advanced Concepts offers interactive training programs for pharmaceutical industry sales representatives and business managers.

Advanced Concepts creates custom experiences in various clinical settings with expert health care professionals. Experiential clerkships enable pharmaceutical sales representatives to understand the environments where their products are prescribed and have hands-on experience and conversations with the prescribers. These programs are primarily implemented at various hospital and other health care delivery sites in and around the Philadelphia area.

STUDENT LIFE

ACADEMIC AFFAIRS

Deans' Offices

The Offices of the Dean of Arts and Sciences, Dean of Health Sciences and Dean of Pharmacy provide information and direction concerning academic and related matters such as course assignments, approval for summer courses, and information and applications pertaining to selected advanced degree programs and admissions tests. All student academic matters are channeled through these offices, which issue a list of those students attaining sufficient academic averages to qualify for the Deans' List.

STUDENT AFFAIRS

Student Affairs Complex

The Student Affairs Complex in Whitecar Hall provides a centralized location for the delivery of many academic and personal support services. Among the services offered are housing; counseling; tutoring; special services for international students, adult learners and students with disabilities; and student activities.

Additionally, Student Affairs centralizes the administrative functions of academic advisement and residence life, including the listing of local rental units.

Student Development

Students benefit from a full range of academic and personal support services that begin upon entry with the Peer Counseling Program. Each incoming student is assigned to a peer counselor who assists the student in making the social and academic transition to college.

Psychological Services

Students who wish to focus on personal growth or who require assistance with concerns of an emotional nature can access the services of the Counseling Center. The Counseling Center is staffed by two full-time psychologists and a consulting psychiatrist. Psychological services include individual counseling and short-term psychotherapy designed to enhance personal development and to assist students in areas such as decision making, interpersonal relations and academic stress.

Student Health Services

The Student Health Office, located in Kline Hall, is staffed by the University physician and the University nurse, Monday through Friday during the academic term (fall and spring semesters). The University nurse is in attendance during summer sessions. Specific hours are stated in the Student Handbook.

All students are required to return the mandatory Student Health History and Physical form, which should be completed by their family physician prior to the student's arrival on campus. Suggestions or comments from family physicians regarding athletic restrictions or other health problems should be indicated on the health form.

Services provided by the Student Health Office include treatment for acute illnesses and injuries, consultations on health-related problems, allergy injections, and referrals to specialists or other health facilities when needed.

Emergency health care required outside the regular consulting hours may be obtained at the emergency room of the Hospital of the University of Pennsylvania, 3400 Spruce

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Street, or Graduate Hospital at 19th and Lombard streets. All expenses incurred by night or emergency care, confining illness, consultations or hospitalizations are the responsibility of the student.

Dining Services

The Dining Services, located on the first floor of Wilson Student Center, is operated by the University and serves 19 meals per week to resident students, commuter students, staff and faculty. They also provide catering to the entire University community.

The facility provides seating for over 500, with two distinct types of service. The Main Dining Hall offers a scatter-plan form of cafeteria service with an unlimited buffet for breakfast, weekend brunch and dinner, and an extensive à la carte daily lunch service with grill, deli, entrees, make-your-own stir fry, salad bar and take-out. The Uppercrust is a small convenience-type outlet that also offers freshly made pizza and other specialties from Tomassito's Italian Cafe.

A large number of meal plans are available, designed to meet anyone's schedule and budget, from the most comprehensive 19 meals per week plan to the most flexible declining balance plan.

Student Insurance

In the best interest of our students, the University requires every student to have medical insurance based on the American College Health Association "Standards for College Student Health Insurance Programs." Students may be covered under their parents', guardians' or own policy or through the Student Group Insurance plans. Available through the University, these policies cover medical and hospital expenses for a 12-month period, whether the student is at home or at the University. Details are available in the Student Affairs Complex.

Bookstore

The bookstore, operated by Follett Corp. in Whitecar Hall, sells textbooks, lab kits, and miscellaneous supplies required for college work. In addition, clothing, gift items, sun-

dries, magazines, best-sellers, reference materials, stamps, newspapers and SEPTA tokens are available.

Computer Store

The Computer Store, operated by Collegiate Systems & Peripherals, is located on the first floor of Whitecar Hall. The store provides new equipment, service and computer information to the University community.

Van Service

During evening hours, the University provides van service between the residence halls, off-campus student homes within the van-served area, and the Drexel and University of Pennsylvania libraries.

Student Government

Student government is composed of students representing every major in every year, all recognized student organizations, residence halls and commuters.

The functions of the student government are described in full in the Student Handbook.

The President's Student Affairs Council serves as the principal communications channel between the students and the University administration on matters of concern to students. Its membership comprises the University's president, vice presidents, deans, advisor to student government, officers of student government, all class senators and representatives from other recognized student groups.

STUDENT ACTIVITIES

Athletics and Recreation

The University encourages participation in athletics and recreation. The gymnasium provides facilities for exercise, intercollegiate, intramural and recreational activities, and is open to all students. The McNeil Athletic Fields include a jogging track, women's softball field and tennis courts. During the 1997-1998 sports season, 45 percent of all undergraduates participated in at least one activity.

Intercollegiate Varsity Sports

The Athletic Department offers 12 intercollegiate varsity sports teams that compete against many Philadelphia area colleges and universities:

- Men's Baseball
- Men's Basketball
- Women's Basketball
- Coed Cheerleading
- Men's Cross-Country
- Women's Cross-Country
- Coed Golf
- Coed Rifle
- Women's Softball
- Men's Tennis
- Women's Tennis
- Women's Volleyball

The University is a member of, and competes in, the Northeast Area Independent Division of the National Association of Intercollegiate Athletics (NAIA). The rifle team holds membership in the Mid-Atlantic Conference and National Rifle Association.

Intramural Activities

The intramural sports and activities program welcomes all students, faculty and staff. The following league competitions are offered: Basketball, Darts and Volleyball. Tournament competitions may be offered in a variety of events such as Pool, Archery, Bowling, Table Tennis, Trivial Pursuit, Chess, Softball and Frisbee.

Intramural athletics and activities operate at no cost to the student. A deposit fee is usually required but returned to the student. Further information is available through the Athletic Department.

Organizations

The following fraternities are represented by chapters at the University: Alpha Delta Chi, Alpha Delta Theta, Alpha Phi Omega, Alpha Zeta Omega, Delta Phi Epsilon, Kappa Epsilon, Kappa Psi, Lambda Kappa Sigma, Phi Delta Chi, Pi Kappa Psi, Rho Pi Phi and Upsilon Sigma Phi.

The following student religious organizations are available: Agape Christian Fellowship, Coram Deo Fellowship, Hillel and the Newman Club.

Several professional and scientific organizations maintain chapters at the University: Academy of Managed Care Pharmacy Student Chapter; Student Chapter, American Institute of Biological Sciences; Student Affiliate Chapter, American Chemical Society; Student Chapter of the Mathematical Association of America; The Student Society of Medical Technology; Pennsylvania Society of Health-System Pharmacists; American Pharmaceutical Association, Academy of Students of Pharmacy; Pre-Medical Society; The Student Physical Therapy Association; Student Occupational Therapy Association; Society of Physics Students; and The Tox Club.

Several honor societies are represented at the University: Alpha Chi, Alpha Lambda Delta, Phi Lambda Upsilon, Rho Chi and Sigma Xi.

The student publications include a newspaper, *The Panacea*; a literary publication, *The Elixir*; and a yearbook, *The Graduate*, prepared by members of the student body.

Through the Student Community Involvement Program (SCIP), students have the opportunity to volunteer on a regular basis (e.g., tutoring in local elementary schools) or for special projects which are offered periodically.

Students have the opportunity to participate in the following student organizations: Asian Students Association, Bharat, Black Student Union, Chorus, Concert Band, Drama Club, Fine Arts League, International Student Association, Islamic Awareness Organization, Korean Students Association, Martial Arts Club, Nontraditional Students Association, Photography Club, Youth Environmental Action, and SHAPE, a student-based drug and alcohol abuse prevention program.

PLACEMENT SERVICE

The University operates a Placement Service coordinated by the Pennsylvania Society of Health-System Pharmacists. Positions available for students are updated weekly and posted on: 1) the bulletin board in Griffith Hall outside Room 108; and 2) on the Placement Office page of the University Web site: (www.usip.edu/placement/index.html). Students wanting employment during the academic year or during the summer should consult one of these sources regularly.

In addition to job postings, the Placement Office Web page provides links to Web sites with information on resume preparation, cover letter writing and interview techniques. Links are also available to job search engines related to major and health care.

Graduating seniors should plan to attend the on-campus recruitment program conducted by the Placement Office in early January. Information will be available in November.

ADMISSION

Admission Policies

University of the Sciences in Philadelphia practices a rolling admission policy, accepting qualified applicants until the class is filled in all programs involving first-year admission and in most programs involving transfer candidates. The exception to this policy is with pharmacy and physical therapy transfer candidates who are eligible for second- or third-year entrance. Applicants for first-year admission are reviewed for their admissibility as soon as all necessary materials are received by the Admission Office and are notified shortly thereafter concerning the admission decision. Applicants who are deemed acceptable are admitted on a preliminary basis. Final acceptance is granted upon satisfactory completion of the prescribed high school courses.

Accepted transfer applicants must successfully complete work that is in progress and/or required for entrance. The University admits students of any gender, race, color, sex, age, handicap, creed, sexual orientation and national or ethnic origin.

Admission Requirements For First-Year Students

Every applicant for first-year admission must present evidence of satisfactory completion of, or enrollment in, a high school course leading to a diploma, or its equivalent.

Academic, college preparatory, or scientific high school courses are usually fully acceptable. Commercial and vocational training courses are not accepted for full credit. If calculated by the high school, the rank in class is also entered into the admission decision.

Minimum Academic Entrance Requirements

English	4 credits
American History	1 credit
Social Science or History	1 credit
Mathematics*	3 credits
Science**	3 credits
Academic Electives (e.g., language, mathematics, science, history)	4 credits
Total	16 credits

* Must include two years of algebra and one year of plane geometry. An additional year of higher-level mathematics (i.e., trigonometry, elementary functions, pre-calculus and calculus) is strongly recommended.

** Must include at least two of the following three sciences: biology, chemistry, physics. All three are strongly recommended.

College Entrance Exams

All applicants for admission are required to submit the results of the Scholastic Assessment Test (SAT) or the American College Test (ACT), with the SAT being the preferred test. The University will accept only official SAT or ACT results or a copy of the official report certified by the applicant's high school. Details concerning the test dates and times may be obtained from high school guidance counselors or by writing to the CEEB, Box 592, Princeton, NJ 08540 or the American College Testing Program, P.O. Box 414, Iowa City, IA 52243.

The University also participates in the College Board's Advanced Placement Program (AP), and in the College Board's College-Level Examination Program (CLEP).

Special Requirements

The University reserves the right to supplement the basic admission requirements with a personal interview, special entrance examination or Scholastic Assessment Test II as

ADMISSION

administered by the CEEB, whenever this may be deemed advisable.

Because the University offers limited courses for students requiring developmental skills in English, it is essential for all applicants to be able to communicate in English, both written and oral. To measure this ability, applicants whose first language is not English should take the TOEFL (Test of English as a Foreign Language) and have the results forwarded directly to the Admission Office.

All applicants to the Physical Therapy and Physician Assistant Programs must complete a minimum of 20 hours of volunteer/observation experience in a clinical setting. The volunteer/observation experience will be used to determine the acceptability of the applicant. The form required to document the volunteer/observation experience can be obtained from the Admission Office.

How and When to Apply

Applications for Admission can be obtained by writing the Admission Office or by calling (215) 596-8810. The application form must be completed as described in the instructions and returned to the Admission Office with a \$30 nonrefundable application fee. First-year applicants must arrange to have their high school transcripts and SAT or ACT scores submitted to the Admission Office.

Since the University follows the rolling admission policy, applicants are urged to apply during the fall or winter preceding the fall semester in which they intend to enroll. For first-year applicants, this is generally during the fall or winter of their final year in high school. Acceptable applicants who apply for admission after a class is filled will be placed on a waiting list.

An applicant may request reactivation of a previously submitted application up to two years only from the original application date, and no more than two reactivations may occur on an original application form.

Admission by Transfer

The transfer applicant is responsible for the submission of all required documents, including official transcripts from high school attended and all current and/or previously

attended colleges or universities. These documents should be received no later than the filing date listed below.

Ordinarily, a minimum of four years of resident study is required for the Doctor of Pharmacy (PharmD) degree and three years for the Master of Physical Therapy, the Master of Occupational Therapy, and the Master of Science (in Physician Assistant Studies), regardless of the extent or nature of previous academic preparation. All other degree programs normally require a minimum of two years of study in residence.

Rolling admission is applicable to transfer candidates into all programs with the exception of pharmacy and physical therapy. Pharmacy applicants should submit applications for admission by the priority filing date of **January 15**. For physical therapy applicants, the priority filing date is **January 1**, while **March 1** and **March 15** are the respective filing dates for occupational therapy and physician assistant applicants. Review for admission to the Pharmacy and Physical Therapy Programs will begin once the number of spaces available to transfer applicants has been determined. Notification of our admission decision will occur during the spring semester. Physical therapy and physician assistant applicants must show documented evidence of a minimum of 20 hours of volunteer/observation experience. Physical therapy applicants must also participate in a "by invitation" interview with the Department of Physical Therapy.

Accepted students receive a preliminary transfer credit evaluation that includes the courses and credits acceptable by the University for transfer. Transfer credit is usually granted for coursework completed at an accredited college or university in which a grade of "C" or better has been achieved and which meets the specific requirements of the program of study. However, preprofessional courses (e.g., science and math) which were completed 10 or more years prior to enrollment may not be accepted for transfer credit or may require additional validation by the University. Applicants who have completed college-level coursework outside the United

States must have their coursework evaluated for possible advanced standing by the World Education Services. Information concerning this evaluation service may be obtained by contacting the World Education Services, P.O. Box 745, Old Chelsea Station, New York, NY 10113-0745.

Applications for admission filed on or before the priority filing date will be given priority consideration for admission. Transfer applicants who submit applications after the filing dates will have their applications reviewed after those applications that are received by the filing dates.

International Applicants

International students must satisfy all admission requirements for first-year applicants and submit the necessary application materials no later than the appropriate filing dates.

Each international applicant must submit scores from the Scholastic Assessment Test (SAT) or American College Test (ACT), as well as scores from the Test of English as a Foreign Language (TOEFL) if the applicant's native language is other than English.

Although exceptions to these requirements are unusual, the SAT or ACT requirement may be waived if the applicant can show evidence of satisfactory completion of courses that parallel college courses under the American system of post-secondary education. The TOEFL requirement may be waived if evidence is presented to show that the applicant's studies have been conducted in English.

Applicants who have completed college-level coursework outside the United States must comply with the filing dates listed above in the Admission by Transfer section and must have their coursework evaluated for possible advanced standing by the World Education Services. Information concerning this evaluation service may be obtained by contacting the World Education Services, P.O. Box 745, Old Chelsea Station, New York, NY 10113-0745.

Applicants for admission who have been accepted will be sent a letter of acceptance and a Certification of Finances form. This financial statement must be completed and returned promptly to the University, accompanied by a nonrefundable tuition deposit of \$150. Upon receipt of the financial statement and the deposit, the University will send the applicant Certificate of Eligibility form I-20A, which is required for a visa.

How to Enroll

Applicants accepted for first-year admission must submit a nonrefundable tuition deposit of \$150 no later than **May 1** to secure a guaranteed place for the fall semester. Entering first-year students may request an extension of the May 1 tuition deposit due date. Such requests should be made in writing prior to May 1, and are subject to the availability of space in the student's intended academic program. Applicants for transfer into the Pharmacy and Physical Therapy Programs, however, may be required to submit a nonrefundable tuition deposit to the Admission Office within 15 days of the date of acceptance. Acceptances into the third year of the Occupational Therapy Program have until **April 1** to submit a tuition deposit. Applicants accepted for transfer into majors other than pharmacy, physical therapy or occupational therapy have until **May 1** to submit the \$150 tuition deposit. This deposit is applied to the first-semester tuition. All applicants accepted after May 1 must remit this deposit within 15 days from the date of acceptance.

Accepted applicants who desire to live in University housing should submit the tuition deposit no later than **May 1**. Enrolling after May 1 may result in being placed on a housing waiting list.

Upon acceptance, Student Affairs will be notified and will forward housing material. To secure housing, a housing contract and a deposit of \$145 must be submitted to Auxiliary Services following receipt of the tuition deposit.

ADMISSION

ROTC Program

All students at the University are eligible to participate in the Army Reserve Officers' Training Corps (ROTC) program through a cooperative arrangement with Drexel University. The program is normally completed in eight semesters or, with some adjustments, in a shorter time period to qualify for a commission by graduation.

Each of the eight military science courses (20 academic credits) is completed at the Armory Building, 33rd and Market Streets on the Drexel University campus, with schedule flexibility given to our students. All earned credits are recorded on the transcript and contribute to a student's grade point average. Up to six of these credits may count against graduation requirements by satisfying free elective options. During the final two years, students receive a tax-free allowance of \$150 per month.

Our students may compete for two-year, three-year, or four-year scholarships to cover **80 percent of tuition charges**, in addition to the monthly allowance.

Students join the program without any obligation either to complete it or to serve in the Army. They must sign a contract to serve on active duty only when they begin their final two years, or when they receive an ROTC scholarship. If desired, the active duty service may be delayed to obtain a graduate degree.

Information about the program is available from: Mr. Thomas C. Bernhardt, ROTC advisor, (215) 596-8998 or Department of Military Science, Drexel University, (215) 590-8809.

Veterans

Individuals entitled to Programs of Education under the auspices of the Veterans Administration may undertake such education at the University. Certificates of Eligibility may be obtained from the Veterans Administration offices, and returned to the Registrar's Office for certification.

Part-Time Students

Students wishing to enroll as nonmatriculated part-time students must complete a part-

time application form with the Admission Office. Approval for part-time enrollment in basic science and mathematics courses that are part of the first- and second-year curricula, and humanities/social science courses, is provided by the Admission Office upon verification of required prerequisites. Approval for advanced science or professional courses is granted by the department chairman in whose department the course is offered. Students intending to take more than one course must be granted approval by each of the respective departments. Students are enrolled as part-time students on a space-available basis.

Campus Visits

Applicants for admission to University of the Sciences in Philadelphia are strongly encouraged to visit the campus. The Admission Office provides a number of opportunities to visit the campus throughout the academic year. During the summer months, Summer Information Sessions are sponsored to provide an opportunity to learn about the admission process and to tour the campus.

Each year the University holds an Open House during the fall. Tentative dates for upcoming Open Houses are November 1, 1998 and November 7, 1999.

The Admission Office also invites accepted applicants and their families to spend a day on campus through the On-Campus Program. The On-Campus Program days are normally held on selected days from February through April. Information is presented on the various academic departments, student financial aid, campus housing and co-curricular activities.

Although admission interviews are not required as part of the admission decision process, applicants are encouraged to contact the Admission Office to schedule a campus visit and tour.

The Admission Office is open daily from 9 a.m. to 5 p.m., Monday through Friday, during the academic year and Monday through Thursday during the summer. Those planning to visit the University should schedule an appointment with an admission staff member by calling (215) 596-8810.

Admission

ACADEMIC PROGRESS

MINIMUM ACADEMIC STANDARDS

The minimum passing grade in all courses taken at the University is "D-". Credit usually will be given for courses taken at another accredited institution if the grade obtained is "C" or higher. Approval for taking such courses at another institution in anticipation of transfer credit to the University must be granted by the appropriate academic dean.

Physical therapy majors must achieve a minimum grade of "C" (or "P" if taking pass/fail) in all courses with the prefix "PT" (physical therapy) in order to progress to any other courses for which the completed course is a prerequisite.

Students in the baccalaureate degree program in biology, microbiology or environmental science must achieve a grade of "C-" or better in courses at the 200 level and above to count these courses toward the minimum biology credits required in the degree program for graduation.

Students in the entry-level Doctor of Pharmacy Program must achieve a minimum grade of "C-" ("P" if taking pass/fail election) in all courses with the prefix PA, PC, PH or PP, in order to progress in the program.

At the conclusion of each semester of study, students in the various curricula are expected to have a cumulative grade point average (GPA) of at least 2.0. For the purposes of these academic regulations, "good academic standing" shall be defined as maintenance of a cumulative GPA of at least 2.0 and not more than one failing grade ("F") in the most recent semester irrespective of cumulative GPA.

ACADEMIC PROGRESS

To progress into the third year of a curriculum, students must have completed and passed all required first- and second-year courses and achieved at least the minimum cumulative grade point average (GPA) required by their major. Doctor of Pharmacy majors must achieve a minimum cumulative GPA of 2.30 by the end of the spring semester of their second year and maintain a minimum cumulative GPA of 2.30 throughout the remainder of the program.

Students in the Bachelor of Science in Pharmacy *and* Doctor of Pharmacy programs must successfully complete *all three* proficiencies *before* progressing to their clerkship rotations. The three proficiencies are: 1) Writing Proficiency Examination or equivalent; 2) Red Cross Standard First Aid *and* Adult CPR courses; and 3) Pharmaceutical Calculations Proficiency Examination (must be accomplished in the final didactic semester). Physical therapy majors must achieve a minimum cumulative GPA of 2.50 by the end of the fall semester of their second year and maintain that cumulative GPA through the end of the spring semester of their second year. Physician assistant majors must achieve a minimum cumulative GPA of 2.50 by the end of the spring semester of their third year to progress to their fourth year.

Academic Progress

All other majors must achieve a minimum GPA of 2.0 by the end of the spring semester of their second year. The minimum GPA must be achieved by **May 15** (end of the spring semester) of the second year. A second-year student who has achieved the minimum cumulative GPA as of May 15, but who has not completed or has failed a required course must satisfactorily complete the required course by **August 15** of the same year with the minimum cumulative GPA or above, in order to progress into the third year of a curriculum.

The academic records of all second-year students are evaluated by the corresponding program director/department chair and the academic dean responsible for the specific degree program. Those students who do not meet the criteria for progression into the third year of the curriculum will be referred to the appropriate faculty subcouncil.

Faculty Subcouncil may:

1. drop the student from the University rolls; or
2. provide the student an opportunity to attain the required GPA within a maximum of two additional semesters while assigned a full course load, including reassignment to courses in which a minimum final grade of "C" was not achieved (subject to the Student Handbook section on "Repetition of a Course").

ACADEMIC PROBATION

The academic deans will review the scholastic progress of all students at the end of each semester. Students who have not achieved the required minimum cumulative grade point average (GPA) of 2.0, or who have received a failing grade ("F") in two or more courses in the most recent semester, will be placed on academic probation.

Students who do not achieve the course grades or cumulative GPA necessary to qualify for good academic standing may, at the option of the faculty, be granted a second consecutive semester of probation or a second or third nonconsecutive semester of probation in which to meet the required academic standards.

No student may be permitted more than two consecutive or three nonconsecutive semesters of academic probation.

Students on academic probation are expected to consult regularly with their advisors and program director, and to utilize support services provided by the Student Affairs Complex.

ADVISED TO WITHDRAW

After any semester of academic work, a student placed on academic probation may be advised to withdraw by the faculty.

GRADUATION

GRADUATION REQUIREMENTS

Every person upon whom a degree shall be conferred must be of good moral character, must have successfully completed the assigned curriculum, must have paid all University fees, and must have met the specific graduation requirements pertaining to the degree to be conferred.

COMMENCEMENT PRIZES

The following prizes and awards are presented annually at the Commencement Convocation. Selection of the recipients is made by the Faculty Council Committee on Commencement Prizes and Awards with the approval of the Executive Council.

Descriptions of the prizes are listed in the Commencement program.

- The Alumni Association Awards
- The American Chemical Society, Philadelphia Section, Awards
- The American Institute of Chemists Awards
- The American Institute of the History of Pharmacy Award
- The APhA-ASP Mortar and Pestle Professionalism Award
- The ASHP Student Leadership Award
- The Hyman C. Bogash Drug Salesmen's Association of Pennsylvania Award
- The Joseph Cantor Memorial Prize
- The Chairman of the Board of Trustees' Awards
- The Community Service Award
- The Delaware Valley Society of Health-System Pharmacists Award
- The Lena DeLisser-Matthews Prize
- The Michael F. Dollarton Memorial Prize
- The Marin S. Dunn Memorial Prize for Biology
- The Facts and Comparisons Award of Excellence in Clinical Communication
- The Melvin Firman Undergraduate Research Award
- The Herbert L. Flack Award

Graduation

The Dr. Louis Gershenfeld Memorial Prize for Microbiology

The Martin and Karen Gibbs Prize in Biological Sciences and Chemistry

The Martin and Karen Gibbs Prizes in Humanities and Social Science

The Theodore I. Goldblum Memorial Prize

The Maude E. Hunsberger Prize

The Johnson & Johnson Award

The R.W. Johnson Pharmaceutical Research Institute Award

The Hyman and Ida E. Kellar Award

The Mahlon N. Kline Memorial Prize

The John E. Kramer Award

The B. Morris and Edna S. Kratz Student Achievement Awards

The Elizabeth G. Krusen Prize

The Leonard M. Krusinski '61 Memorial Prize

The Lannett Company Award

The Lilly Achievement Award

The McKesson Drug Company Awards

The McNeil Consumer Products Award

The Medical Technology Award

The Merck Awards

The Mylan Pharmaceuticals Excellence in Pharmacy Award

The Ortho/McNeil Pharmaceutical/Janssen Pharmaceutica Award

The Virginia Lebo Osol Memorial Prize

The Packman Family Award in Physical Therapy

The Packman Family Award in Toxicology

The Pennsylvania Pharmacists Association Outstanding Pharmacy Student Award

The Perrigo Award for Excellence in Nonprescription Medication Studies

The Pfizer U.S. Pharmaceuticals Group Community Pharmacy Internship Award

The Pharmacists Mutual Companies Book Award

The Pharmacy Leadership Recognition Award

The Physical Therapy Faculty Award

The Louis A. Reber, Ph.D. Memorial Research Awards in Biochemistry, Chemistry, and Pharmaceutical Chemistry

The Remington Memorial Prize

The Roche Pharmacy Communications Award

The Albert E. Rosica, Jr. Memorial Award

The Sarah B. Shapiro Memorial Prize

The SmithKline Beecham Pharmaceuticals Patient Care Award

The Con F. Sterling Award

The Toxicology Student Association Award

The United States Public Health Service Excellence in Public Health Pharmacy Practice Award

The Mildred Wasserman Award

The Francis M. White American Institute of Biological Sciences Award

The Blanche Gardner Whitecar Award

The Women's Club Past Presidents' Memorial Prize

The Edna B. Woodside Memorial Prize

FEES

TUITION AND FEES

*Tuition 1998-1999 academic year
(unless otherwise indicated)*

Undergraduate

Full-time	\$13,580
Full-time—professional years*	14,940
Part-time (per credit hour)	566
Medical Technology—fourth year	550
Post Baccalaureate (per credit hour)	283
Audit (per credit hour)	283

Summer

Preprofessional science (per credit hour)	\$150
Full-time	6,790
Full-time professional years	7,470
Part-time (per credit hour)	566
Prefreshman (per course)	150

Graduate

Full-time	\$13,580
Part-time (per credit hour)	566
Part-time Flex PharmD (per credit hour)	566
MS Cell Biology and Biotechnology, Biomedical Writing, Health Psychology (per credit hour)	425

* Applies to the fall and spring semesters only for post second year pharmacy, physical therapy and occupational therapy students.

No student is permitted to register for more than 20 credit hours per semester without written permission from the dean of the division in which the student is pursuing a degree. If permission is granted, the student will be assessed a fee of \$566 for each credit hour in excess of 20 credit hours per semester.

Fees

Comprehensive	
Full-time (required) (per year)	\$480
Comprehensive (per credit)	20
Graduation	88
Undergraduate Application	30
Graduate Application	30
Late Registration (per semester)	33
Make-up Exam/Lab (per exam)**	25-50
Transcript	3

** as described in the Student Handbook

A limited amount of off-street parking is available at \$180 per year. A refund of \$50 of the parking fee will be given if the student withdraws within the first two weeks of the semester. No refunds will be given after that period.

Invoices for the fall semester will be mailed in late July, and payment is due upon receipt. Invoices for the spring semester will be mailed in late December, and payment is due upon receipt. Students who do not comply with these requirements and do not make acceptable financial arrangements with the Office of Student Accounts will be subject to a late fee of \$100 each month that the account remains past due and may not attend class or register for future classes. Students in default on payment arrangements will also be subject to administrative withdrawal and placed on financial hold status. In addition, accounts in default will be reported to a collection agency, credit bureau and legal counsel. Collection expenses equal to 50 percent of the outstanding charges and other such costs will be added to the amount due. Students enrolled in pharmacy clerkship or other programs during the summer are billed for this semester of coursework in the preceding spring.

Questions regarding student billing and accounts should be addressed to the Office of Student Accounts, which is open Monday through Friday from 9 a.m. to 12:30 p.m. and 1:30 to 5 p.m.

Remittances by mail can be made by check, payable to University of the Sciences in Philadelphia, or Visa/MasterCard credit cards, and forwarded to the Cashier's Office. Fees may also be paid in person at the Cashier's Office. The Cashier's Office is open Monday through Friday from 9 a.m. to 12:30 p.m. and 1:30 to 3 p.m.

Room and Board

Residence Halls Room Fee (per year)

Triple Room	\$3,444
Double Room	4,140
Single Room	4,764

There are limited single rooms available for handi-capped persons. Single rooms not used by handi-capped persons are available on a lottery basis.

Residence Hall

Security Deposit	\$145
Summer Room and Board Fee (per week)	150

Board Plans (per academic year)

Board Plan #1: 19 meals/7 days	2,488
Board Plan #2: 15 meals/5 days	2,100
Board Plan #3: 175 meals/semester \$100 declining balance	2,374
Board Plan #4: 90 meals/semester \$50 declining balance	1,166
Board Plan #5: Declining balance bonus plan	936
Board Plan #6: Declining balance standard plan	350

Meal Plan Requirements

Goodman Hall and Wilson Hall residents are required to participate in one of the board plans #1, 2 or 3. There are no meal plan requirements for Osol Hall residents.

Withdrawal and Dismissal

Official withdrawal from the University must be authorized by the appropriate dean. In order to effect an official withdrawal, the student must first have an interview with the dean responsible for the program in which the student is enrolled. The student must then

submit to the dean a letter withdrawing from the University. The official withdrawal date shall be determined by the date the letter of withdrawal is received by the dean. The student shall be considered to be in continuous attendance up to, and including, the date of receipt of the letter of withdrawal by the dean. Ceasing to attend, or giving notice to an instructor, shall not constitute an official withdrawal.

The University reserves the right to dismiss at any time any student who is deemed undesirable, either on the grounds of conduct or of academic standing, and in this matter the University shall be the sole judge.

Refunds

There will be no refunds for unofficial withdrawals. A student who leaves the University without completing the semester or who is dismissed from the University for disciplinary reasons or scholastic deficiency, is entitled to no refund whatsoever with the exception of All-Campus Account and declining balance deposits.

Students attending the University for the first time, who receive assistance under Title IV programs (including Federal PLUS loans received on the student's behalf) and withdraw on or before 60 percent of the semester or other enrollment period has passed, are entitled to receive a pro-rata refund of tuition, room and board, and other such charges.

Refunds to students who have already completed at least one semester at the University and who officially withdraw will be made according to the schedule listed below.

Regardless of the reason for vacating, refunds will not be made for unused dormitory room fees. A pro-rata refund, less a \$20 processing fee, will be made for the unused portion of meal plan fees. The Student Services/Activity fee and other incidental fees are not refundable. If withdrawal is authorized by the University, a tuition refund will be made in accordance with the following schedule (the official University opening of classes and not the first day in actual attendance governs the refund computation):

FEES

Segment of Semester Refund

Before first day of class	100%
Up to first week	80%
Up to second week	60%
Up to third week	40%
Up to fourth week	20%
Beyond fourth week	No Refund

Under the University's refund policy, where educational expenses of a student were satisfied in whole or in part by Title IV Student Financial Aid Programs other than the Federal Work-Study Program, a portion of the refund shall be returned to the Title IV programs according to current U.S. Department of Education regulations governing refunds.

Under the regulations, first priority is given to the return of funds to Title IV programs in the following order: FFEL Programs, Federal Direct Student Loan Program, Federal Perkins Loan Program, Federal Pell Grant Program, Federal SEOG Program and other Title IV programs. Refunding to other financial aid programs will be in the following order: Federal Health Professions Student Loans, institutional loans, institutional scholarships and/or grants, state grants, private scholarships, and to the student. Students should be aware that the regulations may prevent the refund of any personal funds used for payment of tuition and fees. In instances where a student has received a cash payment prior to the official notification of his or her withdrawal, the student may be required to return such payment to the University.

Tuition Exchange

As a member of the Tuition Exchange Inc., the University grants tuition scholarships to children of qualified faculty and staff coming from other institutions affiliated with the Tuition Exchange, Inc.

All Fees Subject To Change

The administration reserves the right to make changes in University fees and refunds.

FINANCIAL AID

The University maintains a Financial Aid Office and has available two full-time financial aid counselors to assist students in applying for the many federal and state loan and scholarship programs, as well as nongovernmental aid provided through the University.

STUDENT ELIGIBILITY

A student is eligible for federal, state and University financial aid if he or she:

- a. is a high school graduate;
- b. is matriculated in a degree-granting program of study at the University;
- c. is making satisfactory academic progress;
- d. is a citizen or permanent resident of the United States;
- e. is taking at least six credits per semester as an undergraduate student, or five credits per semester as a graduate student. Some financial aid programs require full-time enrollment, which is defined as 12 credits per semester; and
- f. meets the eligibility criteria for each specific financial aid program.

With the exception of merit scholarships, eligibility is based on financial need, which a student demonstrates by completing the Free Application for Federal Student Aid (FAFSA).

FILING DEADLINE

FAFSAs must be completed and forwarded to the Federal Processing Center in time for the results to reach the Financial Aid Office by **March 15** prior to the academic year. To achieve this, it is recommended that students mail the completed form no later than **February 15**. Awards are made on a first-come, first-served basis.

FEDERAL FINANCIAL AID

Federal Pell Grant

Federal Pell Grants are determined by the Financial Aid Office based on the information provided by the FAFSA. The number of credits a student takes per semester may affect the amount of a Pell Grant.

Federal Supplemental Education Opportunity Grants (SEOG)

SEOG grants are determined by the Financial Aid Office, based on a combination of significant need as demonstrated on the FAFSA and availability of funds. Students who are eligible for Federal Pell Grants are considered first for these awards.

Federal Stafford Loans

Federal Stafford Loans are low-interest loans determined by the Financial Aid Office based on financial need demonstrated on the FAFSA. The loan carries a variable interest rate, which is based on the 10-year Federal Treasury bond plus 1 percent. Students apply for the loan by obtaining an application at a bank or lender. There are two types of Stafford Loans.

A. *Subsidized Stafford Loans*

These loans allow a deferment of principal payments and include interest subsidy payments by the federal government.

Annual Borrowing Limits:

- \$2,625 for first-year undergraduate students
- \$3,500 for second-year undergraduate students
- \$5,500 for third-, fourth- and fifth-year undergraduate students
- \$8,500 for graduate students

FINANCIAL AID

The aggregate limit for a subsidized Stafford Loan is \$23,000.

B. Unsubsidized Stafford Loans

These loans require that responsibility for interest-only payments be assumed by the lender, not the federal government, during the grace period and other periods of deferment. Students apply by using the same application they did for the subsidized Stafford Loan.

Independent students and, in special circumstances, dependent students may borrow up to \$4,000 per year for the first two years of undergraduate study, and up to \$5,000 per year for the third, fourth and fifth years of undergraduate study. Graduate students may borrow \$10,000 per year. The aggregate limit for an unsubsidized Stafford Loan is \$23,000.

Federal Perkins Loans

Perkins Loans are determined by the Financial Aid Office, based on a combination of significant need as demonstrated on the FAFSA and availability of funds. The interest rate for the Perkins Loan is 5 percent, and no interest or principal payments are due until nine months after the student graduates or drops below half-time status.

Federal PLUS Loan

This program allows parents of dependent undergraduate students to borrow up to the cost of education, minus financial aid. The interest rate is variable but is capped at 9 percent. Repayment begins 60 days after the second disbursement is issued. The program is limited to parents who do not have an adverse credit history.

Scholarships for Disadvantaged Students

These scholarships are determined through a combination of significant need as demonstrated on the FAFSA and specific parameters determined by the Department of Health and Human Services. Awards are also based on availability of funds. Priority is given to pharmacy students.

Health Professions Student Loans

Health Professions Loans are determined through a combination of significant need as demonstrated on the FAFSA and availability

of funds. The interest rate on the loan is 6 percent, and no interest or principal payments are due until one year after a student graduates or drops below half-time status.

Loans for Disadvantaged Students

Loans for Disadvantaged Students are determined through a combination of significant need as demonstrated on the FAFSA and specific parameters determined by the Department of Health and Human Services. Awards are also based on availability of funds. Priority is given to pharmacy students. The interest rate is 5 percent, and no interest or principal payments are due until one year after a student graduates or drops below half-time status.

Federal Work-Study Program (FWS)

This program provides part-time employment for students. The basic pay scale is at the prevailing minimum hourly wage. Awards are based on a determination of need demonstrated on the FAFSA. Most jobs are on campus and offer excellent scheduling flexibility.

STATE AID

Delaware State Scholarship Program

Delaware students seeking a state scholarship must apply while in high school and have good academic standing and financial need. Contact the Delaware Higher Education Assistance Agency at (302) 577-3240 for filing information.

Pennsylvania State Grant Program

This grant provides awards for four academic years, five years for pharmacy students, based on student need; the funds are to be used for the payment of tuition, fees, books, and room and board only.

To be eligible, students must be citizens or permanent residents of the United States and must have been residents of Pennsylvania for a period of at least 12 months prior to their first term.

To apply for a Pennsylvania state grant, a FAFSA must be filed.

Aid from Other States

Students who reside in states other than those mentioned should contact the Department of Education in their state for applicable state scholarships.

UNIVERSITY OF THE SCIENCES IN PHILADELPHIA FINANCIAL AID FUNDS

The University of the Sciences in Philadelphia funds are endowed institutional funds, the income from which is allocated exclusively for support of those students who require supplemental financial assistance. The University provides financial aid in the form of both grants and loans. Consideration for awards from these programs is determined by the Office of Financial Aid on an individual basis, thereby allowing maximum flexibility in judging students' eligibility and the amounts to be awarded.

SCHOLARSHIPS

A number of scholarship grants are available to **entering students** and are awarded on the basis of academic excellence in high school, comparative scores on the Scholastic Assessment Test (SAT), and other factors determined by the Faculty Council Committee on Academic Scholarships. The assignment of scholarship grants is coordinated among the committee, the Admission Office and the Financial Aid Office.

The admission file of each applicant accepted **prior to February 1** into any entry-level degree program is reviewed automatically and considered for scholarship assignment. The awarding of scholarship grants commences around November 15 and continues until all scholarships are allocated. The early submission of a tuition deposit may be requested to confirm the acceptance of scholarship grants. All applicants are encouraged to submit a Free Application for Federal Student Aid (FAFSA)

as soon as possible after January 1, since some scholarship assignments require reference to this information. All questions regarding scholarships for first-year students may be directed to the Admission Office.

In addition, a number of scholarship grants are available to students entering the University as **transfer students** from another educational institution. The admission file of each transfer applicant accepted **prior to March 15** into any entry-level degree program is reviewed and considered for scholarship assignment.

Furthermore, a number of scholarship grants are awarded each year to **students who have been in attendance for at least one academic year**. Decisions on these scholarship grant awards are made by the Faculty Council Committee on Academic Scholarships and the Financial Aid Office, based upon the academic performance during the year preceding the award and establishment of financial need. All enrolled students are considered for the assignment of these awards. Students are encouraged to submit a FAFSA **prior to March 15**.

If any student to whom a scholarship grant has been awarded is found guilty of improper conduct, is irregular in attendance, or fails to maintain satisfactory academic progress, such award shall be canceled.

The descriptions of the following scholarships, which are arranged alphabetically, enumerate all necessary qualifications; for example, some awards may be restricted to upperclass students, students in a particular program, etc.

Leonard and Madlyn Abramson Scholarships

Endowed through the generosity of Leonard Abramson, Class of 1960, and his wife, Madlyn, and awarded to students who demonstrate scholastic achievement and financial need.

Anthony M. Ambrose Memorial Scholarship

Endowed by his wife, Grace E. Ambrose, in memory of her husband, Anthony M. Ambrose, Class of 1924. Awarded to an upperclass student.

FINANCIAL AID

John K. Aughinbaugh Scholarship

An endowed scholarship restricted to a pharmacy freshman, established by John K. Aughinbaugh, Class of 1899.

Mario S. Aversa Endowed Scholarship

An endowed scholarship provided by Mrs. Teresa Aversa in memory of her husband, Mario S. Aversa, Class of 1943, preferably to support a pharmacy student who must provide proof of Italian heritage, academic achievement and financial need.

Dr. William D. Baun Scholarship

Endowed in 1967 by Olga O. Baun, in memory of her husband, Dr. William D. Baun, a graduate of the University in the Class of 1910, for needy students.

Gertrude Given Baxter and John Baxter Endowed Scholarship

An endowed scholarship established by Gertrude Given, Class of 1934, and her husband, John Baxter, for students who demonstrate financial need.

Malcolm Beach, Clara E. Beach and Hannah D. Pedersen Scholarships

Endowed by Malcolm Beach, Class of 1913, to provide assistance to worthy upperclass pharmacy students.

William S. Bond Memorial Scholarship

Established to recognize the significant contributions provided to the University by this devoted faculty member, this half-tuition endowed scholarship is awarded to a worthy upperclass pharmacy student.

Henry Bower (1854) Memorial Scholarships

Awards given to students majoring in the sciences, endowed by Henry Bower, his grandson.

Aaron and Julia Brenner Fund

Endowed by Aaron Brenner, Class of 1926, to provide assistance to worthy upperclass pharmacy students. Preference given to Pennsylvania residents.

David and Leah Brodie Scholarship

An endowed scholarship established by David, Class of 1951, and Leah Brodie and awarded to an upperclass student intent on a career in pharmacology.

Edward and Myrtle Bruce Scholarship

Endowed scholarship in memory of Edward D. Bruce, Class of 1921, established by his wife, Myrtle Bruce. Restricted to an upperclass student.

J. Mahlon Buck Scholarships

Endowed scholarships established by J. Mahlon Buck. Preference is given to Delaware residents entering as freshmen in pharmacy.

The Joe S. Case Memorial Scholarship

Endowed by Joe S. Case, Class of 1913, and awarded to a worthy upperclass student who demonstrates financial need, with preference to students from Hocking County, Ohio.

Grafton Chase Memorial Scholarship

Established to recognize the significant contributions provided to the University by this devoted faculty member, this endowed half-tuition scholarship is awarded to a worthy upperclass student in one of the entry-level chemistry degree programs.

The Class of 1938 Scholarship Fund

An annual grant for a qualifying student, to be applied against the student's tuition costs for the fourth year of the student's chosen curriculum. An endowed fund.

The Class of 1972 Scholarship

An endowed scholarship established by members of the Class of 1972, awarded to a student demonstrating financial need in the final year of study.

William L. Cliffe Scholarship

An endowed scholarship established by Mrs. William L. Cliffe in memory of her husband, a graduate in the Class of 1884 and a trustee of the University from 1898 to 1931. Restricted to an upperclass student.

College Access Program Partnership Scholarships

An achievement award equal to one-half of total tuition for graduates of the Philadelphia School District comprehensive high schools. Recipients must enroll in a basic science degree program at the University.

***Women's Club of Columbia University
College of Pharmaceutical Sciences
Scholarship***

An endowed scholarship established by the members of the Women's Club of Columbia University College of Pharmaceutical Sciences, to be awarded to a deserving and needy student entering the fifth year of the pharmacy curriculum.

Marie B. Connolly Scholarships

Established by William F. Connolly, Jr., treasurer and comptroller of the University from 1960 to 1980, in memory of his wife, Marie B. Connolly, treasurer of the Women's Club of the University from 1974 to 1985. The endowed scholarship fund provides grants in the name of the Women's Club to upper-class students, on the basis of scholastic achievement and financial need.

The Margaret Mary Culin Scholarship

Endowed by the University in 1992, upon Margaret Mary Culin's retirement as a devoted employee of the University, this half-tuition scholarship is awarded to an upperclass student with financial need who maintains acceptable academic progress. Preference will be given to students studying English as a second language.

***Frances Finnigan Curran Endowed
Scholarship***

An endowed scholarship established by The Barra Foundation, Inc. in honor of Frances Finnigan Curran, Class of 1938. Awarded to a student who has completed one full academic year with superior academic achievement; extracurricular achievement in athletics, performing or literary arts, or other areas; leadership qualities; and admirable personal character and personality.

CVS Scholarships

Supported by the CVS Corporation, these grants are awarded to upperclass pharmacy students on the basis of academic record, financial need and interest in community pharmacy practice.

Delaware Valley Science Fair Scholarship

A half-tuition scholarship awarded to a freshman science degree student who, as an 11th-grader, had been recognized as a first- or second-place winner of the Marie Curie Science Fair.

***Frank R. and Mildred G. DeLucco
Scholarship***

Endowed by Frank R. DeLucco and his wife, Mildred Garrell DeLucco, both graduates in the Class of 1934.

Michael Dollarton Scholarship

An endowed scholarship established by Francis J. and Barbara A. Dollarton in memory of their son, Michael Francis Dollarton, who was a student at the University from 1980 to 1985. Awarded to a final-year pharmacy student.

Carla D'Orazio Memorial Scholarship

An endowed scholarship established in memory of Carla D'Orazio by her parents, Dr. Ronald J. D'Orazio, Class of 1958, and Marie T. DePietro. Awarded with preference to the upperclass student with financial need who scores the highest grade in Pharmacology I and II.

Rudolph K. Dorfman Memorial Scholarships

Endowed freshman scholarships established by Mrs. Minnie G. Dorfman in memory of her husband, Rudolph K. Dorfman, Class of 1915.

Clarke E. Engle Scholarships

Endowed scholarships established by Clarke E. Engle, Class of 1923.

***Joseph H. and Anna H. Fekula Memorial
Scholarship***

Endowed by Joseph H. Fekula, Class of 1905, to be awarded annually to a worthy upperclass student of good scholarship and character, whose circumstances require assistance, such student to be selected by the Committee on Scholarships together with the president of the University.

FINANCIAL AID

Joseph L. Garde Scholarship

A scholarship endowed by the friends and business associates of Joseph L. Garde, former chief executive officer and chairman of Spectro Industries, Inc., now a part of McKesson Corporation. Awarded with preference to children of McKesson employees, or Pennsylvania or New Jersey pharmacists. Restricted to an upperclass student.

Frank E. Garrell Memorial Scholarship

Endowed in memory of Frank E. Garrell, Class of 1917, by his daughter Mildred, Class of 1934, and her husband, Frank R. DeLucco, Class of 1934. Awarded to an upperclass student on the basis of financial need and scholarship.

Louis Gershenfeld Scholarships

Endowed by Dr. Gustav J. Martin in honor of Dr. Louis Gershenfeld, the late professor emeritus of bacteriology and director emeritus of the Department of Bacteriology.

The Louis Gershenfeld Scholarship in the Biological Sciences

An endowed scholarship established by Samuel Rothberg, Class of 1931, in memory of Dr. Gershenfeld. Awarded to an upperclass student in the biological sciences who demonstrates both financial need and academic merit.

Benedicta L. Ginkiewicz Endowed Scholarship

An unrestricted endowed scholarship established by Benedicta L. Ginkiewicz, Class of 1936.

Abraham Glasser Scholarships

Endowed scholarships provided by Abraham Glasser, Class of 1943, and his wife, Gloria, to support upperclass students who demonstrate financial need, have attained a B+ average and are intent on careers in pharmacy or pharmacy research.

Jacob G. Goldblum Scholarship

An endowed scholarship established by Jacob G. Goldblum. Restricted to an upperclass student, with preference given to upperclass students in pharmacy who are graduates of South Philadelphia High School.

C. Coy Honsaker Scholarship

An endowed scholarship established by C. Coy Honsaker, Class of 1910.

Charles M. Hudson Scholarships

A number of endowed scholarships established in memory of Charles M. Hudson, Class of 1891, by his wife, Elizabeth M. Hudson.

David Strode Jefferis and Helen W.S. Jefferis Scholarships

Endowed by the late Helen W.S. Jefferis, this fund provides grants to worthy upperclass students on the basis of scholastic achievement and financial need.

Edward C. Jones Scholarship

An endowed scholarship in memory of Edward C. Jones, Class of 1864, a trustee of the University from 1874 to 1895. Restricted to an upperclass student.

Robert N. and May P. Jones Scholarship

This endowed scholarship is awarded to a third-year student who excels in math and/or physics and who demonstrates financial need.

Samuel and Kate M. Juresco Memorial Award

A scholarship endowed in memory of Samuel Juresco, Class of 1921, and his wife, Kate, established by their family for upperclass students.

Jacob H. Katz Memorial Scholarship

Endowed in memory of Jacob H. Katz, Class of 1919. Restricted to a student majoring in pharmacy.

The Frederick D. Klein Scholarship

An endowed scholarship established by The Merck Company Foundation in honor of Frederick D. Klein, to support the tuition needs of final-year students in the Philadelphia College of Pharmacy.

Kmart Pharmacy Scholarship for Excellence in Community Pharmacy

An endowed scholarship established by Kmart Corporation, restricted to a full-time pharmacy student in years three to five, having a grade point average of "C" or better, currently employed in a community pharmacy, and intent on a career in retail community pharmacy. Preference is given to Kmart associates and their families.

William A. Kulp Memorial Scholarship

Endowed in memory of William A. Kulp of the Class of 1891 by his sister-in-law, Belle Minor Dietz. Preference is given to graduates of Ligonier Valley schools, Westmoreland County, PA.

Patricia Leahy Memorial Scholarship Fund

Endowed in memory of Patricia J. Leahy, assistant professor in the Department of Physical Therapy, to support physical therapy students on clinical rotation.

Eli Lilly Memorial Scholarships

Established by the University in honor of Dr. Eli Lilly, Class of 1907, and available annually to children of employees of Eli Lilly and Company. The scholarship grant covers full tuition, and is renewable annually during the students' full-time enrollment.

Lindback Memorial Scholarships

Established by the Lindback Memorial Foundation of Philadelphia. At least two scholarships for upperclass students are available each year.

Evelyn C. F. Ma Memorial Research Scholarship

Endowed by George C. K. Ma and family in memory of his sister, Evelyn C. F. Ma, Class of 1966, to support undergraduate or graduate research in natural products medicine.

Anthony J. and Evelyn T. Mazzucca Memorial Scholarship

Endowed in memory of Anthony J. Mazzucca, Class of 1933, and his wife Evelyn by their sons, Gerald A. Mazzucca, Class of 1967, and Anthony J. Mazzucca, Class of 1970. Awarded to a needy student.

Doctors Madeline Holland McDonnell and John N. McDonnell Scholarship

Endowed scholarship established by John N. McDonnell, Class of 1932, who was for several years a member of the teaching staff at the University. His wife, the late Madeline Holland McDonnell, Class of 1937, was for several years librarian at the University.

Medco Containment Services, Inc. Scholarships

Established by Medco Containment Services, Inc.; awarded to pharmacy students in their final year, based on financial need and academic excellence.

Bertha and Solomon Melamed Scholarship

An endowed scholarship established in memory of Solomon Melamed, Class of 1918, by his wife, Bertha Parris Melamed, Class of 1918, and their son, Sidney, Class of 1941.

Memorial Scholarships

Endowed scholarship fund available to all students in memory of:

Amy C. Medici

Matthew O. Pecht

Awardees will be known as the Memorial scholars.

Theodore Myers Scholarship

An endowed memorial scholarship provided through the generosity of the family, friends and business colleagues of Theodore Myers, Class of 1956. Awarded to an upperclass student who demonstrates scholastic achievement and financial need.

N.A.C.D.S. Foundation Scholarships

Supported by the National Association of Chain Drug Stores Educational Foundation, to provide assistance to worthy upperclass pharmacy students.

Claude J. Newhart Scholarship

An educational grant established by Rhône-Poulenc Rorer Pharmaceuticals Inc., to honor Claude J. Newhart, Class of 1928, for his co-development of Maalox™, a landmark treatment to neutralize stomach acid. To underwrite the tuition costs of a sixth-year student in the PharmD curriculum who seeks a career in the pharmaceutical industry.

Auxiliary of the New Jersey Pharmaceutical Association Scholarship

Supported by the Auxiliary of the New Jersey Pharmaceutical Association, to provide assistance to a worthy upperclass pharmacy student from New Jersey.

Arthur and Virginia Lebo Osol Scholarships

Endowed by the late Arthur Osol, PhD, president of the University from 1963 to 1975, and his wife, the late Virginia Lebo Osol, charter member and past president of the Women's Club of the University. Their endowed scholarship fund provides grants to worthy upperclass students on the basis of scholastic achievement and financial need.

FINANCIAL AID

Virginia Lebo Osol Scholarship

Awarded by the Women's Club of the University in memory of Virginia Lebo Osol, a past president of the Women's Club.

Josiah C. and Bertha L. DeGraffe Peacock Scholarships

Endowed scholarships established by Josiah C. Peacock, Class of 1891, and his wife, Bertha L. DeGraffe Peacock, Class of 1896.

Pennsylvania Alumni Scholarship

An endowed scholarship established by alumni of the University residing in Pennsylvania.

Phar-Mor Pharmacy Scholarship

An endowed scholarship awarded annually to a fourth- or fifth-year pharmacy major who has demonstrated financial need and who intends to practice in a retail setting upon graduation.

Philadelphia Drug Exchange Scholarship

Supported by the Philadelphia Drug Exchange, to provide assistance to a worthy senior pharmacy student.

Philadelphia Regional Scholarships

These are equal to one-half of total tuition and are available for students entering one of the basic science degree programs. These grants will be restricted to disadvantaged students who reside in the Philadelphia area. Preference is given to applicants who attend one of the high schools in West Philadelphia.

Joseph A. Pierro Memorial Scholarship

An endowed scholarship established by Mrs. Marie Pierro in memory of her husband, Joseph A. Pierro, Class of 1923.

Charles H. Pressel Memorial Scholarship

An endowed freshman pharmacy scholarship established by Burroughs Wellcome Company in memory of Charles H. Pressel, Class of 1939, who, at the time of his death in 1973, was vice president of that company.

Ralph H. Pyle Scholarships

Endowed scholarships made possible by a generous gift from Ralph H. Pyle, Class of 1928, and his wife, Margaret. Awarded to upperclass students who demonstrate both financial need and academic merit.

The Drs. Josephine F. and Joseph L. Rabinowitz Scholarships

Endowed scholarships provided through the generosity of Joseph L. Rabinowitz, PhD, Class of 1943, and his wife, Josephine F. Rabinowitz, PhD, to be awarded with preference to nontraditional biochemistry students who demonstrate financial need.

Rite Aid Scholarships

Supported by Rite Aid Corporation, these grants for upperclass students are awarded to worthy pharmacy students who demonstrate financial need.

Rohm and Haas Scholarship

Endowed by Rohm and Haas Company to assist chemistry majors. This scholarship is for an upperclass student of unusual talent, with preference towards African-Americans and Hispanics.

William H. Rorer Scholarship

An endowed scholarship established by Rorer Group, Inc., in honor of William H. Rorer, III. Awarded with preference to children of Rorer employees.

Abraham Roth Scholarships

Established by Mrs. Abraham Roth in memory of her husband. Awarded annually to final-year pharmacy majors intent on a research career in the pharmaceutical sciences.

Pauline Tabachnick Rothman Scholarship

This endowed scholarship is awarded to a female, final-year pharmacy major, with preference to foreign-born students who demonstrate outstanding character and financial need.

Nathan Rubin Memorial Scholarship

Endowed by Sylvia Rubin in memory of her husband, Nathan Rubin, Class of 1934, to be awarded to a chemistry major who demonstrates financial need.

Louis J. Rudolph and Victor L. Rudolph Scholarships

Endowed scholarships established by Louis J. Rudolph in memory of his brother, Victor L. Rudolph, Class of 1922, for upperclass students preferably in pharmacy and from the St. Joseph, Missouri area.

Lena and Harry Schwartz Endowed Scholarship

Established by Harry Schwartz, Class of 1923, and awarded to a worthy pharmacy major, with preference for graduates of Southern High School and Central High School in Philadelphia.

The W. W. Smith Scholar Program

Scholarships established by The W. W. Smith Charitable Trust are awarded to needy, worthy, full-time undergraduate students in good academic standing, who are residents of the Delaware Valley and whose financial resources would not otherwise permit them to attend college.

The W. W. Smith Scholarship Prize

Awarded to a student who has demonstrated academic achievement, financial need and participation in extracurricular/community activities.

Samuel J. Tancredi Memorial Scholarship

An endowed scholarship established by the Rotary Club of Philadelphia in memory of Samuel J. Tancredi, Class of 1928. Awarded annually to a pharmacy major in the final year of study who demonstrates need and whose home is in the city of Philadelphia.

Theodore R. and Marjorie E. Tibbetts Scholarships

Endowed scholarships provided by Theodore R. Tibbetts, Class of 1928, and awarded annually to worthy upperclass students.

Barbara and Glenn Ullyot Scholarship Fund

Provided through the generosity of Barbara and Glenn Ullyot. The endowed scholarship supports one upperclass chemistry student who exhibits both academic achievement and financial need.

University of the Sciences in Philadelphia Half-tuition Scholarships

Each scholarship grant is for one-half of total tuition and is renewable annually for up to six years of any entry degree program. Physician Assistant Program students will be limited to those years enrolled at University of the Sciences in Philadelphia.

University of the Sciences in Philadelphia Quarter-tuition Scholarships

Each scholarship grant is for one-quarter of total tuition and is renewable annually for up to six years of any entry degree program. Physician Assistant Program students will be limited to those years enrolled at University of the Sciences in Philadelphia.

The Guillermo and Hector Valentiner Scholarships

Endowed scholarships, including room and board, established by Guillermo (Class of 1953) and Hector (Class of 1984) Valentiner and awarded with preference to Venezuelan, South American and Spanish-speaking upperclass students, in that order.

Joseph Louis Wade Endowed Scholarship

An endowed scholarship provided by the estate of his wife, Ola C. Wade, in memory of her husband, Joseph L. Wade, Class of 1905, was assistant instructor in chemistry from 1907 to 1918. To support a pharmacy student who demonstrates financial need, scholarship aptitude (but not necessarily the highest grades) and proper demeanor.

Wal-Mart Pharmacy Scholarship

Supported by the Wal-Mart Company, to provide assistance for a fourth-year pharmacy student with financial need, leadership qualities and a desire to enter community pharmacy practice.

Blanche Gardner Whitecar Memorial Scholarships

Endowed in memory of Blanche G. Whitecar, a past president of the Women's Club of University of the Sciences in Philadelphia, whose generosity made possible the construction of Whitecar Hall. This fund is supported directly by the Women's Club.

FINANCIAL AID

Donald O. and Rosemary Hunter Wilson Scholarships

Endowed by the late Donald O. Wilson, Class of 1934, and his late wife Rosemary Hunter Wilson, daughter of Ralph Hunter, Jr., Class of 1909, and sister of Donald H. Hunter, Class of 1932, to support upperclass pharmacy students who demonstrate financial need and scholastic achievement.

Matthew J. Wilson Scholarships

Endowed scholarships, provided by the trustees of The Charlotte W. Newcombe Foundation, in memory of Dr. Matthew J. Wilson. Awarded to worthy upperclass pharmacy students.

Women's Club Scholarship

Awarded to a student in need, this scholarship is funded by the annual Women's Club Golf Outing to raise money for this purpose.

John M., Sr., and Edna B. Woodside Memorial Scholarships

Endowed by John M. Woodside, Jr. in memory of his parents, this fund provides grants to worthy upperclass students on the basis of scholarship and cocurricular activities.

Generous benefactors of the University have endowed the following scholarship, which will be available to future generations of students at the University:

Steven B. Marra Memorial Scholarship

Established by Thomas J. Marra, Class of 1943, and Gerry Marra in memory of their son, to support pharmacy students.

ENTRY-LEVEL PROGRAMS

MAJORS

A total of 16 entry-level programs of study are available to undergraduates at University of the Sciences in Philadelphia.

Philadelphia College of Pharmacy—

offers the entry-level Doctor of Pharmacy, a six-year program. Other majors offered are pharmacology and toxicology, pharmaceutical marketing and management, and pharmaceutical technology; all are four-year programs leading to the BS degree.

College of Arts and Sciences—

offers majors in biochemistry, biology, biomedical writing, chemistry, environmental science, health psychology, microbiology, and pharmaceutical chemistry. All are four-year programs leading to the BS degree.

College of Health Sciences—

offers a four-year program leading to a BS in Medical Technology. Five-year programs of study are offered in: occupational therapy, leading to a BS in Health Science and a Master of Occupational Therapy; physical therapy, leading to a BS in Health Science or BS in Biology, and a Master of Physical Therapy; and physician assistant studies, leading to a BS in Health Science from University of the Sciences in Philadelphia and an MS from Philadelphia College of Osteopathic Medicine.

MINORS

An academic minor is a concentration of courses, usually with a common theme, that enables the student to develop a degree of formal expertise in a discipline outside of the student's major. It is intended to supplement the student's academic training by broadening the scope of knowledge and experience beyond that obtained from courses required for the student's major degree.

While obtaining a minor is not a requirement, a minor can offer several advantages such as enhancement of job opportunities, increased potential for advancement and/or greater opportunity for more challenging assignments, and the demonstration of a broader academic background which may increase the student's chances of being accepted into graduate school.

The student's transcript will note that the student is enrolled in a minor program. Satisfactory completion of the requirements for the minor will be noted only on the student's transcript, not on the student's diploma.

Eligibility

To be eligible for acceptance into a minor program, a student must:

1. be in good academic standing;
2. obtain the approval of the student's academic advisor; and
3. obtain the approval of the chairperson of the department offering the minor program.

A student should apply to participate in a minor program early in his/her academic career, usually by the fifth semester of college work. A student cannot enroll in a minor program offered by his/her major department.

Requirements

In addition to any introductory courses in the area of concentration for the minor, a minimum of 18 credit hours for coursework having a common intellectual bond is required. The faculty of the department offering a minor will decide the number of credits needed to earn the minor, which courses are required, and which courses are suitable electives for the minor. The Arts and Sciences Subcouncil must approve each department's minor program(s).

Up to six semester hours of coursework, with an earned grade of "C" or better, taken at another accredited institution, may be applied to the course requirements of the minor upon prior approval of the chairperson of the department offering the minor and the appropriate academic dean. The student must achieve a cumulative average of 2.0 in all the courses taken as part of the minor.

While enrolled in a minor program, the student must remain in good academic standing and maintain satisfactory academic progress. A student placed on probation is automatically terminated from the minor program.

A student whose participation in a minor program has been terminated may request reinstatement when the conditions leading to the termination have been rectified. Reinstatement requires the approval of both the chairperson of the department offering the minor and the chairperson of the department of the student's major degree. Information regarding the status of a student in a minor program should be forwarded by the chairperson of the department offering the minor to the student's faculty advisor, appropriate academic dean(s) and the registrar.

DOUBLE DEGREES

Students wishing to earn two degrees in separate disciplines must be accepted by both degree programs. Students may earn two baccalaureate degrees or one baccalaureate and one entry-level professional degree by completing the following:

1. **The Core Curriculum:** Courses taken to fulfill the Core Curriculum requirements may be used for both degrees. Courses taken to fulfill the Core Distribution Elective(s) or Core Elective may not be required by either degree program and may not be from the department(s) offering the degree programs.
2. **Required courses of the degree programs:** All required courses for both degrees must be completed, except when the degree programs require different courses (or course sequences) on the same topic. In such cases, the student must take the course (or course sequence) with the higher number of credits. If both courses have the same number of credits, the student must take the course with the higher course number. Exceptions may be made only with the permission of both program directors and of the academic dean(s) to whom they report.
3. **Elective courses of the degree programs:** Students pursuing two degrees may not use courses required by one of the degree programs to fulfill elective requirements of another degree program. Courses which are electives in both degree programs may be used to fulfill the elective requirements of both degrees. Exceptions may be made only with the permission of both program directors and of the academic dean(s) to whom they report.

A degree may be awarded once all the requirements for that degree are met.

This policy constitutes the minimum standard for the awarding of two degrees. Individual departments and programs may develop curricula with additional requirements.

THE CORE CURRICULUM

Educational Philosophy

The philosophy of education at this University is predicated on the belief that educated students must master the competencies in their chosen disciplines and attain an extended range of knowledge and skills in the arts and sciences. This philosophy is based on the assumption that undergraduate education must provide students with an academic foundation in the natural and physical sciences, humanities and social sciences to develop those abilities that will enable them to function effectively in their selected career and in their personal and social endeavors.

Excellence in education must be viewed as something more than the process of providing students with knowledge and understanding of information. Students must be given the opportunity to learn, analyze and synthesize information, and to evaluate its application to a variety of life's experiences. This will provide the basis for continued development throughout the student's professional and personal life.

Fundamental to this educational philosophy is the curricular content of the academic programs. While there is a need to achieve a balance between depth and specialized study and exposure to a diversity of ideas, perspectives, and modes of thinking, all undergraduate programs must establish a common intellectual experience for students.

This sequence, regularly referred to as the Core Curriculum, enables the student to develop basic skills, prepares the student for advanced coursework, and allows the student to explore varied areas of inquiry. In addition to the Core Curriculum, students must have the opportunity to direct their intellectual development through the system of distribution requirements and free electives.

THE CORE— AN OVERVIEW

The Core has been designed to allow for coursework and other learning experiences in nine areas of study.

- Communication
- Literature
- World Cultures
- Mathematics
- Moral Reasoning
- Historical Study
- Fine Arts
- Natural Sciences
- Social Sciences

In designing a curriculum that accommodates instruction in these nine areas, the faculty have developed a Core structure that provides common learning experiences for all students, as well as opportunities for individual course selection.

THE CORE CURRICULUM

The four components of the Core, which all students must take, regardless of their major, are listed below.

	Credits
Fundamental Requirements	38
Interdisciplinary Requirements	6
Core Distribution Requirements	9
Core Elective	3
Total	56

THE CORE COMPONENTS

Fundamental Requirements

This component of the Core comprises 38 credits and is designed to introduce students to basic concepts in the natural and physical sciences, humanities and social sciences. These courses provide a background for more advanced studies within the Core Curriculum as well as allowing students to explore varied areas of inquiry while acquiring basic academic skills.

To fulfill the Fundamental Requirements component, the student must complete the following:

*Natural Sciences (16 credits)**

Representative Courses:

- General Biology
- Introductory Biology
- General Chemistry
- Principles of Chemistry
- Survey of Chemistry
- Introductory Physics
- Survey of Physics

Communication (6 credits)

- College Composition
- Introduction to Communication

Writing in Literature (3 credits)

- Introduction to Literature

Mathematics (6 credits)

- Mathematical Analysis I & II

Physical Education (1 credit)

- Physical Education I & II

Social Sciences (6 credits)

- Introduction to Macroeconomics
- Introduction to Political Science and the American Government
- Introduction to Anthropology and Health Behavior
- Introduction to Psychology
- Introduction to Sociology

*Ethics/Moral Reasoning** Proficiency and Skills****

* The 16 credits of natural sciences must:

- a. include a one-year, eight-credit sequence of any one course in natural sciences (i.e., biology or chemistry or physics), along with the associated laboratory component; and
- b. include two four-credit survey courses, one in each of the remaining areas of natural sciences. These two courses may be with or without a laboratory component. A six- to eight-credit full-year course may be substituted for each of the four-credit survey courses.

**All degree programs will address the issue of ethics/moral reasoning.

***Proficiency and Skills

- a. All first-year students must demonstrate a proficiency in computer applications before progressing to the spring semester of their second year.
- b. All students must demonstrate a proficiency in writing before graduation. Please note the Writing Proficiency Examination is different from the Diagnostic Examination in Writing which is administered before or at the beginning of the student's first year of study.

Intellectual Heritage

Intellectual Heritage is a six-credit, two-semester sequence required of all students in their second year. This sequence examines the foundations of modern thought through the study of interrelationships among ideas, events, attitudes, values and artifacts produced within various cultures past and present. The component aims to broaden students' bases of knowledge upon which judgments about oneself and society are made.

The fall semester of Intellectual Heritage will begin with four weeks of presentations for all students entitled "The Birth of Modern." This segment will move from the Renaissance through the eighteenth century. Students will

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then enter a 10-week segment in one of the following themed sections, for which they will be preregistered:

1. The Nature of Time
2. Democracy, Power and Oppression
3. Belief and Thought
4. Nature
5. Infinity in the Development of Science

In the spring semester, students will register for a different 10-week themed section. A final four-week segment ("The Self in the Modern Age") for all students will move from the beginning of the nineteenth century to the present and will complete the Intellectual Heritage sequence.

Core Distribution Requirements

All students are required to complete nine credits in the Core Distribution Requirements component, usually during the third or fourth year of the curriculum. The distribution areas indicated below include areas of study the faculty believe are essential to a student's personal and professional development. Students must select one course in each of three areas. A representative listing of appropriate courses is provided below.

Area 1: World Cultures (3 credits)

This component exposes students to the languages, values, intellectual traditions, and social and political institutions that comprise the history and thought of cultures different from their own. Students will gain insight into what their own culture has in common with others, as well as what makes it unique.

Representative Courses:

- East Asian Civilization
- French
- Intercultural Communication
- German
- Spanish

Area 2: History/Literature (3 credits)

Course offerings in historical study involve the acquisition of historical knowledge, understanding of historical processes, and the appreciation of historical methodology. Courses in literature expose students to a range of literary genres, issues and styles of past and present writers.

Representative Courses:

- Twentieth Century Europe
- Short Story
- The Novel
- American Civil War and Reconstruction
- Literature and Medicine
- History of Modern Russia
- Twentieth Century America
- Modern Drama and Theatre

Area 3: Advanced Social Sciences (3 credits)

This component extends knowledge acquired at the introductory level to enhance students' analytical skills in understanding human behavior, to familiarize students with principles of economics, and to improve specific communication skills.

Representative Courses:

- Abnormal Psychology
- Social Psychology
- Social Problems
- Sociology of Health
- AIDS and Society
- Adolescent Psychology

CORE ELECTIVE

To allow for further exploration of issues and topics outside one's major field of study, and/or to provide an opportunity for further development of skills and knowledge relevant to one's major field, students are required to complete three credits in an elective course from the areas listed below. Note: The elective course must be outside of the major and major requirements.

Elective Course Areas (3 credits)

- Social Sciences (psychology, sociology, economics, political science, anthropology)
- Fine Arts
- History
- Biology
- Chemistry
- World Cultures
- Literature
- Communication (oral or written)
- Philosophy
- Mathematics
- Physics
- Computer Science
- Undergraduate Independent/
Directed Study

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COURSES

(Satisfy the requirements of the Core Curriculum)

Requirements:

	Fund	Interdisc	Core Dist History/Literature	Core Dist World Cultures	Core Elective
Humanities Courses					
AR101					x
AR201					x
EN101	x				
EN102	x				
EN204	x				x
EN301					x
EN302					x
EN305					x
EN310			x		x
EN311			x		x
EN312			x		x
EN313			x		x
EN314			x		x
EN315			x		x
EN316			x		x
EN317			x		x
EN318			x		x
EN319			x		x
EN320			x		x
EN322			x		x
EN325			x		x
EN326			x		x
ET301					x
C1101				x	x
C1102				x	x
FR101				x	x
FR102				x	x
FR201				x	x
FR202				x	x
GE101				x	x
GE102				x	x
GE201				x	x
GE202				x	x
GE320				x	x
IT101				x	x
IT102				x	x

COURSES

(Satisfy the requirements of the Core Curriculum)

Requirements:

	Fund	Interdisc	Core Dist History/Literature	Core Dist World Cultures	Core Elective
LA101				x	x
SP101				x	x
SP102				x	x
SP201				x	x
SP202				x	x
SP301				x	x
HI101			x		x
HI102			x		x
HI301			x		x
HI302			x		x
HI303			x		x
HI304			x		x
HI305			x	x	x
HI306			x		x
HI307			x	x	x
HI308			x		x
HI309			x		x
HI310			x		x
HI311			x		x
HU302			x		x
HU303			x		x
HU340			x		x
HU399					x
HU498					x
MU101					x
MU201					x
MU202					x
PL101					x
PL301					x
PL302					x
PL501					x
WC202			x	x	x
WC203			x*	x	x
WC204				x	x
WC205			x	x	x
IH201		x			
IH202		x			

* Pending approval by Curriculum Committee

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COURSES

(Satisfy the requirements of the Core Curriculum)

Requirements:

	Fund	Interdisc	Core Dist Social Sciences	Core Dist World Cultures	Core Elective
Social Sciences Courses					
AN101					
Introduction to Anthropology and Health Behavior					
CO101	x				
Introduction to Communication					
CO204			x		x
Public Speaking					
CO320			x		x
Relational Communication					
CO399					x
Independent Study					
CO498					x
Directed Research in Communication					
EC101	x				
Introduction to Macroeconomics					
EC201			x		x
Introduction to Microeconomics					
EC399					x
Independent Study					
EC498					x
Directed Research in Economics					
PO101	x				
Introduction to Political Science and the American Government					
PS101	x				
Introduction to Psychology					
PS200			x		x
Psychology of Human Development					
PS201			x		x
Adolescent Psychology					
PS204			x		x
Intelligence, Creativity and Problem Solving					
PS205			x		x
Abnormal Psychology					
PS210			x		x
Biological Psychology					
PS300			x		x
Tests and Measurements					
PS301			x		x
Social Psychology					
PS309			x		x
Personality Theory					
PS318			x		x
Health Psychology					
PS327			x		x
Behavior Modification					
PS329			x		x
Cognitive Processes (Memory)					
PS340			x		x
Special Topics in Psychology					
PS350			x		x
Introduction to Group Dynamics					
PS399					x
Independent Study					
PS401			x		x
Counseling Theory I					
PS402			x		x
Counseling Theory II					
PS412			x		x
Psychopharmacology					
PS420			x		x
Psychopathology I					
PS421			x		x
Psychopathology II					
PS428			x		x
Introduction to Human Neuropsychology					
SO101	x				
Introduction to Sociology					
SO205			x		x
Social Problems					

COURSES

(Satisfy the requirements of the Core Curriculum)

Requirements:

	Fund	Interdisc	Core Dist Social Sciences	Core Dist World Cultures	Core Elective
SO206 Chemical Dependency			x		x
SO207 Crime, Drugs and Policy			x		x
SO304 Crime and Society			x		x
SO305 Sociology of Music			x		x
SO306 Marriage, Family and Human Sexuality			x		x
SO310 Sociology of Work and Professions			x		x
SO313 Sociology of Religion			x		x
SO315 Complex Organizations and Theory			x		x
SO322 Sociology of Health			x		x
SO324 Power and Health Care			x		x
SO325 Social Ecology			x		x
SO330 World Cultures and the USA			x	x*	x
SO340 Special Topics in Sociology			x		x
SO342 Special Problems in Sociology			x		x
SO344 Drugs, Society and Behavior			x		x
SO346 Social Gerontology			x		x
SO347 Death and Dying			x	x*	x
SO348 AIDS and Society			x		x
SO399 Independent Study					x
SO431 Human Resources Management			x		x
SO498 Directed Research in Sociology					x
SS203 Leadership Development					x
SS220 Social Sciences Statistics			x		x
SS300 Social Epidemiology			x		x
SS305 Intercultural Communication			x		x
SS320 Organizational Theory and Behavior			x		x
SS460 Social Science Research Methods			x		x

* Pending approval by Curriculum Committee

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COURSES

(Satisfy the requirements of the Core Curriculum)

Requirements:

	Fund	Core Elective
Biology Courses		
BS100 Concepts in Biology	x	
BS103 General Biology I	x	
BS104 General Biology II	x	
BS130 Introductory Biology I	x	
BS131 Introductory Biology II	x	
All Other Biology Courses		x
Biomedical Writing Courses		
<i>All biomedical writing courses at the 300 or 400 level may be used as electives (provided the prerequisites are satisfied)</i>		
Chemistry Courses		
CH101 General Chemistry I	x	
CH102 General Chemistry II	x	
CH103 General Chemistry Laboratory I	x	
CH104 General Chemistry Laboratory II	x	
CH109 Survey of Chemistry	x	
CH111 Principles of Chemistry I	x	
CH112 Principles of Chemistry II	x	
CH113 Principles of Chemistry Lab I	x	
CH114 Principles of Chemistry Lab II	x	
All Other Chemistry Courses		x
Math, Physics, Computer And Statistics Courses		
MA101 Mathematical Analysis I	x	
MA102 Mathematical Analysis II	x	
PY200 Survey of Physics	x	
PY201 Introductory Physics I	x	
PY202 Introductory Physics II	x	
PY211 Physics I	x	
PY212 Physics II	x	
All Other Math, Physics, Computer and Statistics Courses		x
Physical Education Courses		
PE101 Physical Education I	x	
PE102 Physical Education II	x	