

COLLEGE OF PHARMACY

FACULTY

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Degree Offered:

Doctor of Pharmacy (Pharm.D.)

COLLEGE OF PHARMACY STUDENT HANDBOOK

HISTORY

The College of Pharmacy at Southwestern Oklahoma State University (SWOSU) was founded in 1939 and graduated its first class in 1941. The College of Pharmacy is accredited by the Accreditation Council for Pharmacy Education and is a member of the American Association of Colleges of Pharmacy. Many of the approximately 5000 alumni of the College of Pharmacy at SWOSU are leaders in their communities and very active in professional pharmacy organizations.

VISION, MISSION, AND VALUES

Vision

To be recognized as a dynamic educational environment in which students develop the personal, professional, intellectual, and leadership skills needed to advance the profession of pharmacy.

Mission

The College of Pharmacy educates and empowers pharmacy graduates who, as part of a healthcare team, aspire to a lifelong commitment of personal and professional development and exceptional patient-centered care. The College of Pharmacy creates, disseminates, and applies knowledge and innovation to advance the health and wellness of culturally diverse populations.

Values

The College of Pharmacy embraces these values as foundational pillars:

- Fostering *professionalism* and *integrity* by cultivating a sense of personal and institutional responsibility, self-awareness, and accountability.
- Providing *mentorship* of students and colleagues to promote their professional and personal growth.
- Exhibiting *excellence* and *innovation* in teaching, service, and research/scholarly activity.
- Expressing *compassion* for others and engaging in community service.
- Sustaining a collegial environment that promotes *collaboration* and *mutual respect* between administration, faculty, staff, preceptors, students, and alumni.
- Promoting *diversity*, *cultural awareness*, and the *preservation of human dignity*.

PHARMACY CAREER OPPORTUNITIES

The pharmacist is a specialist in the art and science of using drug therapies to maximize quality health outcomes. As the most accessible member of the healthcare team, the pharmacist is often the first healthcare professional a patient or family member will talk to about healthcare questions and concerns. The responsibility the pharmacist has for the health and well being of people emphasizes the need for accurate decision-making and high ethical standards. Pharmacists have historically been listed as one of the most trusted health care professionals. Since pharmacy involves working with both patients and other healthcare professionals, a pharmacist must have excellent communication skills and work effectively as a member of a team.

Community pharmacy practice opportunities include independently owned pharmacies, smaller regional and larger national chain stores, compounding pharmacies, veterinary pharmacies, and specialty pharmacies with a focus on patients who have complex chronic diseases. Community pharmacists require management skills, the ability to supervise personnel, and an understanding of the financial aspects of healthcare. In addition to

being responsible for the dispensing of both prescription and nonprescription drugs, the community pharmacist also has the opportunity to provide advice and information on health matters to the public and provide consultation services to healthcare facilities as well as other healthcare providers.

Health-system pharmacists are employed in hospitals and other health care institutions. A health-system pharmacist works directly with physicians, nurses, and other members of the healthcare professional team to provide quality patient care. In addition, the health-system pharmacist is responsible for the drug distribution system of the hospital. Pharmacists in hospitals use knowledge and skills to ensure proper drug selection and dosing, including the appropriate use of antibiotics. Specialized health-system practice areas include nuclear pharmacy, which involves the use of radioactive drugs to diagnose and treat diseases, and specialty practice settings such as oncology, pediatrics, and critical care. Health-system pharmacists also include those who are employed by government agencies to provide services in Veterans Administration hospitals, the Indian Health Service, and the United States Public Health Service.

Practice opportunities for pharmacists also include consultant pharmacy, managed care pharmacy, and home health care pharmacy. Consultant pharmacists work with physicians and other healthcare professionals to optimize drug therapy for patients in long-term care institutions, such as nursing homes and assisted-living facilities. Managed care pharmacists are employed by health insurance companies and pharmacy benefit management firms to optimize both the quality and cost-effectiveness of drug therapy. Home health care pharmacists work with nurses and hospice care professionals to prepare and distribute medications for patients being treated in their homes or residential communities. In addition to these major areas, pharmacists work in pharmaceutical industry, education, and all levels of government. With their health and science education, pharmacists may specialize in areas of technical writing, science reporting, and editing of professional magazines and journals. Overall, the pharmacist is well positioned to practice in an increasingly complex healthcare environment that emphasizes prevention, new treatment strategies, and cost-effectiveness.

LICENSURE

Legal requirements vary slightly from state to state, and students should familiarize themselves with the laws and regulations of the states in which they plan to seek licensure. In Oklahoma, a candidate for licensure must: (1) be of good moral character, (2) be no less than 21 years of age, (3) be a graduate of an accredited College of Pharmacy, (4) have experience in pharmacy practice in accordance with the regulations of the State Board of Pharmacy, and (5) have passed an examination as specified by the State Board of Pharmacy.

Additional information may be obtained through the State Board of Pharmacy of the state in which licensure is desired.

PROGRAM OF STUDY AND RESIDENCE

In accordance with the regulations of the Accreditation Council for Pharmacy Education, a minimum of six academic years of college work is required for completion of the curriculum leading to a Doctor of Pharmacy (Pharm.D.) degree. The College of Pharmacy curriculum at SWOSU is commonly referred to as a two-four program: two years of pre-pharmacy study plus four years of study in the professional Pharm.D. program.

The pre-pharmacy course work may be completed at SWOSU or at any accredited college or university offering pre-pharmacy courses, which are reasonably equivalent to those required pre-pharmacy courses at SWOSU. **ADMISSION TO THE UNIVERSITY**

Before any student may be considered for admission to the College of Pharmacy, admission to SWOSU is required. Applications for admission to SWOSU, with all required forms, are submitted to the Office of the Registrar. However, all students considering a career in pharmacy are urged to visit the College of Pharmacy and to avail themselves of the counseling services of the Pharmacy Admissions Counselor.

ADMISSION TO PRE-PHARMACY STUDY

The pre-pharmacy program at SWOSU is open to all high school graduates and college transfer students who have not completed the specific pre-pharmacy curriculum and who qualify for and obtain admission to SWOSU. Regulations concerning admission to SWOSU are listed in the General Catalog of the institution or may be obtained from the Office of the Registrar.

PRE-PROFESSIONAL CURRICULUM

The pre-pharmacy curriculum consists of 67 hours of prescribed course work. A minimum of 60 hours of this curriculum must be successfully completed prior to admission to the professional program (see section on "Admission to the Professional Doctor of Pharmacy Program"). Organic Chemistry II and Organic Chemistry II Lab and Microbiology must have been completed within seven years of the semester for which an applicant is seeking admission. A "conditionally admitted" pre-professional student who withdraws from a required course in the semester prior to being admitted to the Professional Program **MUST** complete the course(s) at SWOSU to be considered for admission. All pre-professional requirements not completed prior to admission to the professional Pharm.D. program must be completed within one calendar year of the date of admission.

ADMISSION TO THE PROFESSIONAL DOCTOR OF PHARMACY PROGRAM

Students may apply for admission into the professional Doctor of Pharmacy program for the Fall or Spring semesters. Applications for admission into the professional program for Fall semesters must be submitted by the previous February 1st. Applications for admission into the professional program for the Spring semester must be submitted by the previous September 1st. Selection for admission into the professional program is competitive. The minimum standards to be considered for admission are as follows:

1. Satisfactory completion of at least 60 semester hours of the pre-pharmacy curriculum;
2. Completion of all pre-pharmacy biology, chemistry, mathematics, and physics courses with a grade of "C" or better;
3. A minimum cumulative grade-point average of 2.50;
4. Submission of valid ACT or SAT scores.
5. Submission of Pharmacy College Admission Test (PCAT) scores from a PCAT test taken within 3 years of the date of application.

Applications must be submitted on standardized forms supplied by the Pharmacy Admissions Counselor. Navigational steps to obtain Application Materials:

1. www.swosu.edu
2. click on [Academics](#)

3. select [College of Pharmacy](#)
4. select the [Prospective Students](#) tab on side menu
5. select [Application Survey](#)

Incomplete, late, or improperly prepared applications will not be processed. All admissions are subject to any conditions specified in the admission letter and other correspondence from the College of Pharmacy.

Background checks are required and will be conducted on each student prior to admission to the College of Pharmacy and at specific points throughout the student's academic progression in the professional pharmacy curriculum as determined by COP regulations, practice requirements, and State laws and/or regulations (please see 'Other College of Pharmacy Regulations' for the full policy).

APPLICANT SELECTION

The faculty and administration of the College of Pharmacy establish the operating policies and methods of selection for the Admissions Committee, and the guidelines are followed carefully and diligently. Members of the Admissions Committee are appointed or reappointed annually.

The Admissions Committee must rely heavily on objective data, particularly science and mathematics grade average, overall grade average, ACT (American College Test) or SAT (Scholastic Aptitude Test) and PCAT (Pharmacy College Admission Test) scores. A preliminary selection of applicants will be made based on an initial evaluation of these criteria. Applicants selected by this initial process will be required to appear for a personal interview before a committee composed of faculty members and pharmacy students. The interview process provides an opportunity to assess important issues such as motivation, character, personal objectives, and communication skills. An appraisal from all aspects of the interview is included in the applicant's file and is weighed, along with other factors, such as consistency of academic performance, by the Admissions Committee in making its final recommendation regarding admission to the Dean of the College of Pharmacy.

Selection for admission to the professional Pharm.D. program in the College of Pharmacy is competitive. Preference is given to qualified applicants who do all of their pre-pharmacy coursework at SWOSU. Consideration is given to qualified United States citizens and permanent residents from Oklahoma and the states that border Oklahoma.

ADMISSION WITH ADVANCED STANDING FROM OTHER ACCREDITED COLLEGES OF PHARMACY

Applicants may be considered by the Admissions Committee for admission with advanced standing if they have completed work beyond the pre-pharmacy level in another institution accredited by the Accreditation Council for Pharmacy Education. The applicant must not be on academic or disciplinary probation or suspension, and such applicants must have passed each course accepted for transfer credit with a grade at least "C" or better. The completed work must be equivalent in content to that offered at SWOSU. In addition to official transcripts, applicants must submit their PCAT scores and a letter of good standing from the Dean of the College of Pharmacy last attended. A minimum of two semesters residency with at least thirty semester hours of credit is required for graduation of all students transferring to SWOSU from other Colleges of pharmacy, regardless of the amount of work previously completed.

ADVANCED STANDING EXAMINATIONS AND CLEP

Advanced Standing Examinations and College Level Examinations Program (CLEP) tests are given for some subjects included in the pre-pharmacy curriculum. Subject to certain conditions, a student may elect to take Advanced Standing or CLEP Examinations for the purpose of earning credit for courses. Information relative to the examinations may be obtained from the Pharmacy Admissions Counselor, and eligible students are encouraged to participate in the examination programs.

ADVISEMENT

Each student enrolled in pre-pharmacy or the professional pharmacy program is assigned a faculty advisor who can counsel and advise the student. The advisor will assist the student in developing, following, and updating as necessary the personal Degree Plan, and will provide reasonable assistance and guidance in the matter of curriculum selection. However, *THE STUDENT IS THE INDIVIDUAL WITH FINAL RESPONSIBILITY FOR CORRECT AND APPROPRIATE ADHERENCE TO PREREQUISITE REQUIREMENTS*. It is the student who will experience academic delay and loss of both time and course credit through matriculation in courses for which the student has not satisfied prerequisites.

THE PHARMACY CURRICULUM

The curriculum of the College of Pharmacy is established by the faculty. Since pharmacy is a dynamic profession, the faculty reserves the right to make substitutions and necessary changes in course requirements without prior notice. Students, who fail to progress normally as the program is prescribed, are suspended, or take a leave of absence, may encounter program delays or additional semester credits due to curricular changes.

COLLEGE OF PHARMACY REGULATIONS

PHARMACY SCHOLARSHIP REQUIREMENTS:

1. All the following regulations are based on the fact that students in the College of Pharmacy are expected to enroll in a full load of course work, as defined by SWOSU standards.
2. Students must maintain a 2.00 grade-point average or above to remain in the College of Pharmacy. In computing the grade-point average, courses are counted each time they are undertaken, whether passed or failed. Summer term grades affect only the cumulative pharmacy grade-point average.
3. Grade points may not be satisfied through courses which are not requirements for the degree in Pharmacy at SWOSU.
4. The faculty of the College of Pharmacy considers any grade lower than "C" for any required or elective course in the professional program to be an unsatisfactory grade. Consequently, no course credit toward fulfilling the professional requirements for the degree in Pharmacy will be given for any course in which a grade lower than "C" is earned.
5. A student must enroll in a minimum of 12 semester hours in the Spring/Fall semesters, not including pass/fail courses such as the IPPEs.
6. A student who fails a course shall enroll in the course in the next semester in which the course is available. The student may not enroll in any required course in the professional program until the student has successfully completed the failed course.

PHARMACY PROBATION:

7. Any student whose grade-point average for any semester drops below 2.00 will be placed on pharmacy probation.

8. Any student who fails to complete 12 semester hours (pass/fail courses are not considered for these 12 hours) in the Fall or Spring semester will be placed on pharmacy probation.
9. Any student whose cumulative pharmacy grade-point average is less than 2.00 will be placed on pharmacy probation.
10. Students on pharmacy probation may not enroll in more than 15 semester hours without written approval of the Dean.
11. Students on pharmacy probation are advised to limit their extracurricular activities. Therefore, students shall not be allowed to work for the College of Pharmacy in any capacity, such as lab assistants, proctors, interviewers, tour guides, nor shall they be allowed to attend any non-mandatory College-sponsored off-campus activities requiring absence from class, or serve on the Dean's Council.

REMOVAL FROM PHARMACY PROBATION:

12. A student will be removed from pharmacy probation if, during the probationary semester, a grade-point average of 2.00 or better is earned while completing a full load of course work as defined by SWOSU standards, and the cumulative pharmacy grade-point average is 2.00 or better.

CONTINUED PHARMACY PROBATION:

13. Students who earn a grade-point of 2.00 or better for the probationary semester, but who do not have a cumulative pharmacy grade-point average of 2.00 or better, will be continued on probation. However, a pharmacy student may not continue in a probationary status for more than two (2) consecutive semesters.

PHARMACY SUSPENSION:

14. a. Pharmacy suspension is the dismissal of the student from the professional program. Pharmacy suspension is an action taken in the interest of the student when a lack of progress indicates little chance of success in earning a degree in pharmacy. Suspended students are urged to change their field of study to one for which they have greater ability.
 - b. A student will be suspended if the student has two consecutive full-time enrollment Fall and Spring semesters of the following:
 - 1) less than a 2.00 semester grade-point average;
 - 2) completion of less than 12 semester hours;
 - 3) or any combination of (1) and (2).
 - c. Any student subject to pharmacy probation a second time, whose cumulative pharmacy grade-point is less than 2.00, will be suspended.
 - d. A student may not continue in a probationary status for more than two consecutive semesters. Failure to attain a cumulative pharmacy grade-point average of 2.00 or better by the end of this period will be cause for pharmacy suspension.
 - e. A student who has a total of four course failures in at least two different courses shall be suspended.
 - f. A student who has three failures in a single course shall be suspended.
 - g. A student who has two IPPE and/or APPE failures shall be suspended.
 - h. Withdrawal from a course by Friday of the seventh full week of classes (i.e., early withdrawal) during the Fall or Spring semester shall not count as an official enrollment in that course and shall not be considered the equivalent of a course failure for purposes of 14.e., 14.f., and 14.g., above. Students shall be limited to one early withdrawal without penalty per course. Thereafter, any other early withdrawals from that course shall count as

an official enrollment and shall be considered the equivalent of a course failure for purposes of 14.e., 14.f., and 14.g., above.

- i. Withdrawal from a course after Friday of the seventh full week of classes during the Fall or Spring semester shall count as an official enrollment in that course and shall be considered the equivalent of a course failure for purposes of 14.e., 14.f., and 14.g., above.
- j. Withdrawal from all courses at any time during a semester due to an approved leave of absence shall not count as an official enrollment in those courses and shall not be considered the equivalent of a failure in those courses for purposes of 14.e., 14.f., and 14.g., above.
- k. A student may be suspended for a violation of the College of Pharmacy Professionalism Policy.

ACADEMIC PROGRESSION AND EARLY INTERVENTION:

15. a. For each professional pharmacy course, the instructor is expected to define thresholds of academic performance that serve as early predictors for potential course failure and non-progression in the curriculum.
- b. Upon identification of an at-risk student, a meeting will be arranged with the instructor, student, and Associate Dean to formulate a plan of action to increase the chance of academic success and progression. The plan of action may contain one or more of the following options for early intervention:
 - 1) Recommendations for improving study skills and time management, including utilization of Continuing Professional Development (CPD) personal assessment tools and instruments.
 - 2) At the option of the instructor, mandatory attendance at a review session(s) focusing on key course content that is critical for successful course completion and progression in subsequent, related courses.
 - 3) Participation in tutoring sessions facilitated by senior students who have a strong academic record.
 - 4) Identification of non-academic causes for poor classroom performance and referral to appropriate counseling and related services.
- c. After a plan of action has been formulated, the student will be required to attend regular follow-up sessions with the instructor and/or Associate Dean to monitor progress.

READMISSION AFTER PHARMACY SUSPENSION:

16. A student on pharmacy suspension may apply for readmission after a pharmacy suspension of one calendar year, but the application will ordinarily be denied, unless convincing evidence is presented to indicate that the student's chances of success have materially improved during the year of suspension. Students readmitted are admitted on continued pharmacy probation and are subject to policies associated with pharmacy probation. This probationary status is considered a continuation of the probationary period(s) prior to pharmacy suspension and is subject to the same policies. The Admissions Committee will prescribe the academic and curricular requirements the student must follow upon readmission.

OTHER COLLEGE OF PHARMACY REGULATIONS:

17. A student must have attained a cumulative pharmacy grade-point average of 2.00 or above and completed all prerequisites prior to entry into the required professional practice academic year. In addition, a pharmacy cumulative grade-point average of 2.00 must be earned to fulfill requirements for the Pharm.D. degree in Pharmacy.

18. Transfer credit from another institution will not be allowed for any required professional course work a student attempted, but failed to complete satisfactorily, while enrolled in the SWOSU College of Pharmacy.
19. Pharmacy admission is restricted to those persons who meet high standards of character, morality and conduct. The faculty of the College of Pharmacy reserves the right to place on non-academic probation or suspend from the College of Pharmacy any students whose attitude, actions or conduct, on or off campus, could discredit themselves, the College of Pharmacy, SWOSU, or the profession of pharmacy.
20. All students in the professional program must follow the Guidelines for Academic Integrity of the College of Pharmacy. Pharmacy students are also subject to all rules and regulations of SWOSU.
21. The College of Pharmacy does not recognize any academic forgiveness or academic reprieve granted in the computation of pre-pharmacy or pharmacy grade-point averages.
22. Nationwide background checks are conducted for students who are conditionally admitted into the College of Pharmacy (COP) professional program; and at specific points throughout the student's academic progression in the professional pharmacy curriculum as determined by COP regulations, practice requirements, and State laws and/or regulations. If the background check indicates that a student has (1) been convicted, pled guilty or nolo contendere or otherwise ordered to complete a period of probation or supervision for a misdemeanor or felony relating to any controlled dangerous substances as defined by the Uniform Controlled Dangerous Substances Act in this state, any other state, or the United States, OR (2) been convicted, pled guilty or nolo contendere or otherwise ordered to complete a period of probation or supervision for any felony of this state, any other state, or the United States, OR (3) such charges pending, the student will have until the beginning of the admission semester or rotation semester to resolve the issue. If the issue is not resolved by that deadline, the student will not be admitted to the program or allowed to continue in the program at that time. The student who is not allowed to continue in the rotational semester MAY, in the sole discretion of the Dean of the College of Pharmacy, be granted a leave of absence for one semester to address and resolve the issue. The student who is not admitted will need to resolve the issue and apply for a subsequent admission semester.

Resolution of the issue could involve: (1) providing proof that the information was in error and the background check company subsequently removes the flag; (2) that the incident was expunged from court records and the student provides documentation of such; or (3) having further legal action provided to clear up the pending issue. If the student is able to resolve the issue before the admission or rotational semester begins, they will be allowed to proceed without further question. All costs associated with resolution of these issues is the responsibility of the student.

The College of Pharmacy will not allow the student with such a record as described above to proceed with the program because no pharmacy facility shall employ any person with such a record without obtaining a waiver from the Director of the Oklahoma Bureau of Narcotics and Dangerous Drugs (OBN) for every pharmacy facility that the student would utilize to complete their experiential requirements of the degree. An OBN waiver can result in increased insurance costs for the pharmacy facility and

present a long-term, negative stigma for the pharmacy facility since it will always be on file with OBN.

Obtaining experiential sites is already a challenging task without requesting special circumstances that could be detrimental to the pharmacy facility. Therefore, the COP will not require or request experiential sites to secure an OBN waiver for any student rotations.

SPECIAL NOTES ON THE PROFESSIONAL PHARM.D. PROGRAM

1. The successful completion of the professional Pharm.D. program curriculum in the College of Pharmacy as well as the practice of pharmacy requires that the accumulation of scientific knowledge is accompanied by the simultaneous acquisition of skills and professional attitudes and behavior. Therefore, all didactic, laboratory, and pharmacy practice course requirements of the curriculum in the College of Pharmacy are applicable to all students and cannot be waived.
2. Only students who are currently enrolled in the College of Pharmacy may attend the professional Pharm.D. program classes in the College of Pharmacy without permission from the Dean of the College of Pharmacy.
3. Students enrolled in any experiential components of the professional Pharm.D. program must adhere to any specific policies, procedures and/or requirements of the assigned pharmacy practice site. The Introductory Pharmacy Practice Experience (IPPE) and Advanced Pharmacy Practice Experience (APPE) courses are conducted in off-campus teaching facilities affiliated with the College of Pharmacy. Any added costs (i.e., required liability and health insurance, practice site requirements, supplies, housing, food, transportation, etc.) incurred through this dislocation must be borne by the student. Enrollment in these courses is limited by the availability of facilities and faculty. Therefore, students will be assigned to these courses based on the number of students that can be accommodated. Problems associated with the College of Pharmacy Regulations that affect the student may result in a delay in enrollment in these courses.
4. The IPPE courses are graded as Pass or Fail and do not affect the GPA calculations in any area (e.g., probation, suspension). The IPPE courses cannot be used for full-time course load or Pharm.D. program residency requirements for any semester.
5. Professional Pharm.D. program students who have complaints regarding the standards or policies and procedures of the Accreditation Council for Pharmacy Education (<http://www.acpe-accredit.org/>) must submit

written documentation to the Associate Dean. If the student and Associate Dean cannot resolve the complaint, the complaint will be referred to the College of Pharmacy Policy Committee for review. The College of Pharmacy Policy Committee will make its recommendation to the Dean and the Dean of the College of Pharmacy will communicate the recommendation to the student.

6. Professional Electives are to be selected through consultation with the advisor and must be taken as part of the professional Pharm.D. program.
7. All students in the Pharm.D. program must be certified as pharmacy interns by the Oklahoma State Board of Pharmacy.
8. All students in the professional Pharm.D. program must complete all required documentation, which includes background checks, immunizations and vaccine series, drug screens and the SWOSU Health Record, in the prescribed time periods.
9. The cost of attendance for the professional Pharm.D. program includes the specific tuition and other costs for the professional Pharm.D. program as well as all SWOSU cost requirements.

FINANCIAL AID INFORMATION

Financial assistance may be available from or through SWOSU in the forms of part-time employment, scholarships, grants, and loans. Since it is important for entering students to determine that they are capable of doing satisfactory college work, they are encouraged to provide sufficient funds for their first year without employment.

Financial aid programs are coordinated by the Director of Student Financial Services, and inquiries should be directed to that office.

LOANS

Loans from non-federal and non-SWOSU administered funds may be available to students who have been admitted to the College of Pharmacy. Additional information and applications can be obtained from the Associate Dean. These loans include:

BURROUGHS - WELLCOME FOUNDATION EMERGENCY LOAN FUND: This fund was created by Burroughs-Wellcome Foundation through selected pharmacists who designated a College of Pharmacy to receive the funds.

IPPE ROTATION GRANT FUND: Provides assistance for students during their IPPE summer rotations.

**Doctor of Pharmacy (Pharm.D.)
College of Pharmacy
PRE-PROFESSIONAL (Code 300)
Suggested Course Sequence**

FIRST YEAR

FIRST SEMESTER	SECOND SEMESTER
1023 Computers & Info Access (3) 1043 or 1053 American History (3) 1113 English Composition I (3) 1203 General Chemistry I (3) 1252 General Chemistry I Lab (2) 2823 Applied Calculus (3)	1003 General Psychology (3) 1054 Principles of Biology w/Lab (4) 1103 American Government & Politics (3) 1213 English Composition II (3) 1303 General Chemistry II (3) 1352 General Chemistry II Lab (2)
Total (17)	Total (18)

SECOND YEAR

FIRST SEMESTER	SECOND SEMESTER
1033 World History OR 1103 World Cultural Geography (3) 1313 Introduction to Public Speaking (3) 3013 Organic Chemistry I (3) 3111 Organic Chemistry I Lab (1) 4355 Microbiology w/Lab (5)	1063 General Physics (3) 2263 Introduction to Macroeconomics (3) 3704 Human Anatomy w/Lab (4) 4021 Organic Chemistry II Lab (1) 4113 Organic Chemistry II (3) HUM Select one course from the following: ART - 1223 Art Survey (3) LIT - 2413 Introduction to Literature (3) MUSIC - 1013 Introduction to Music (3) PHILO - 1453 Introduction to Philosophy (3)
Total (15)	Total (17)

**Doctor of Pharmacy (Pharm.D.)
College of Pharmacy
PROFESSIONAL (Code 450)
Suggested Course Sequence**

FIRST YEAR

FIRST SEMESTER	SECOND SEMESTER
3001 Introduction to Pharmacy (1) 3012 Pharmacy Calculations (2) 3023 Pharmaceutics I (3) 3311 Pharm. Care Lab I (1) 3614 Physiology (4) 3813 Community Pharmacy I (3) 4124 Biochemistry (4)	3010 Pharmacy Seminar I (0) 3123 Pharmaceutics II (3) 3321 Pharm. Care Lab II (1) 3405 Fundamentals of Drug Action (5) 3823 Health & Biostatistics (3) 4213 Immunology (3)
Total (18)	Total (15)

SECOND YEAR

FIRST SEMESTER	SECOND SEMESTER
3213 IPPE – Community (3) 4010 Pharmacy Seminar II (0) 4142 Health-Systems Pharmacy (2) 4302 Drug Information (2) 4331 Pharm. Care Lab III (1) 4332 Basic Pharmacokinetics (2) 4512 Medicinal Chemistry I (2) 4612 Pathophysiology I (2) 4634 Pharmacology I (4)	4010 Pharmacy Seminar II (0) 4323 Pharmacotherapy I (3) 4341 Pharm. Care Lab IV (1) 4522 Medicinal Chemistry II (2) 4622 Pathophysiology II (2) 4644 Pharmacology II (4) 4712 Health Issues I (2) Professional Elective (2)
Total (18)	Total (16)

THIRD YEAR

FIRST SEMESTER	SECOND SEMESTER
4223 IPPE – Institutional (3) 5010 Pharmacy Seminar III (0) 5054 Community Pharmacy II (4) 5204 Pharmacotherapy II (4) 5301 Clinical Pharmacokinetics (1) 5351 Pharm. Care Lab V (1) 5812 Health Issues II (2) 5853 Pharmacy Management & Marketing (3) Professional Elective (2)	5010 Pharmacy Seminar III (0) 5234 Pharmacotherapy III (4) 5361 Pharm. Care Lab VI (1) 5753 Toxicology (3) 5822 Health Issues III (2) 5823 Pharmacy Administration (3) 5844 Jurisprudence (4)
Total (20)	Total (17)

FOURTH YEAR

FIRST SEMESTER	SECOND SEMESTER
5914 APPE – Community A (4) 5944 APPE – Selective A (4) 5954 APPE – Medicine Selective A (4) 5964 APPE – Medicine Selective B (4)	5924 APPE – Community B (4) 5934 APPE – Institutional (4) 5974 APPE – General Medicine (4) 5984 APPE – Selective B (4) 5994 APPE – Ambulatory Care (4)
Total (16)	Total (20)

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REGULATIONS PERTAINING TO GRADUATION

Students in the School of Pharmacy must complete the Pre-Professional and Professional curriculums. This includes 30 hours in residence.

Minimum hours for graduation	207
Minimum hours in liberal arts & sciences	55
Minimum Grade Point Average to enter the professional program	2.50
Minimum Grade Point Average in major	2.00