

COLLEGE OF PHARMACY

F. LAMAR PRITCHARD, Dean
Bienville, 102C

ACADEMIC PROGRAMS

Bachelor of Science (BS)
Master of Science (MS)
Doctor of Pharmacy (Pharm.D.)
Doctor of Philosophy (Ph.D.)

PHARMACY UNDERGRADUATE AND PROFESSIONAL DEGREES

ACADEMIC UNIT

Pharmacy
Department of Toxicology

MAJOR

Pharmacy
Toxicology

DEGREE

PharmD *
BS

*Please consult the University of Louisiana at Monroe Catalog of Graduate and Professional Programs for information pertaining to the College's graduate and doctoral-level professional degree programs.

MISSION STATEMENT

The College of Pharmacy at the University of Louisiana at Monroe, Louisiana's College of Pharmacy, endeavors to create a professional learning environment that embraces the concept of continual quality improvement. This environment will enable the College to produce and maintain excellent academic, research and service programs that directly enhance the health and environment of the state of Louisiana and beyond.

The mission of the College of Pharmacy (COP) is to educate future health care professionals to meet the diverse pharmaceutical care needs of the people of Louisiana and to serve the professions of pharmacy and toxicology through a balanced program of education, research, service, and patient care.

The strategic decisions and daily operations of the College's faculty and staff will be reflective of the following values:

* Responsibility - acting morally, ethically, and with integrity, as well as being accountable for one's actions. Students, faculty, and staff have a duty to adhere to these standards. We also recognize our duty to be thoughtful stewards of those resources entrusted to us.

* Innovation - the synthesis, embodiment, or combination of knowledge in original, relevant, valued new products, processes, or services, especially as related to promoting optimal patient and educational outcomes.

* Collaboration - the development of educational, research and practice partnerships among students, practitioners, educators, and other stakeholders.

* Quality - the pursuit of excellence, which is cultivated and assessed through a process of continual quality improvement.

* Professionalism - the demonstration of structural, attitudinal, and behavioral attributes of a profession and

its members. Certain professional attributes, including a service orientation; caring; respect for others; accountability and responsibility for one's action; integrity; honesty; ethically sound decision making; and a commitment to life-long learning are fundamental to our functioning as learners, educators, researchers, scholars, and practitioners of pharmacy.

In addition to the values stated above, we have set the following goals:

Education

1. Educate entry-level pharmacy practitioners to deliver pharmacy care in a dynamic, culturally diverse society, enabling graduates to enter a wide range of existing or emerging health care practices.
2. Provide effective graduate education in the pharmaceutical and toxicological sciences.
3. Recognize professional education as an individual process that begins in the academic setting and continues throughout the professional career, not only for the student but educators and practitioners as well.
4. Model attitudes and values that emphasize the importance of a team approach to patient-centered care.
5. Integrate basic, clinical, administrative and toxicological sciences.

Research/Scholarly Activity

1. Promote, develop and sustain excellence in graduate study and research in the clinical, basic, social and administrative sciences, thereby adding to the body of knowledge for scientists and educators in pharmacy, toxicology and related fields.
2. Promote research and scholarship that lead to improved patient care.

- Promote research and scholarship that lead to improved educational outcomes.
- Assess and evaluate all research and scholarly activity undertaken within the College.
- Provide appropriate mentorship for faculty development.

Service

- Address the healthcare and other societal needs by involving faculty, staff, and students in service activities at the University, local, state, national and international levels.
- Promote wellness and disease prevention.
- Promote therapeutic interventions, rational medication use, and the judicious use of economic resources.
- Advance student and faculty participation and leadership in professional organizations.

Pharmacy Practice

- Promote and optimize pharmacy care in order to improve patient outcomes.
- Promote postgraduate professional training and assume an active role in the development of residencies and fellowships.

GENERAL INFORMATION

The College of Pharmacy was established by the State Board of Education on August 11, 1956 and continues to serve as Louisiana's sole State supported Pharmacy Program. The College of Pharmacy continues to evolve to meet the health care needs of the State's population, and in 1998, began to offer the Doctor of Pharmacy degree as its sole entry level professional pharmacy degree. The College also offers the State's only masters and doctor of philosophy degrees in the areas of pharmacy and pharmaceutical sciences. The Bachelor of Science program in Toxicology was initiated in 1982 and is one of only six programs in the country. The College of Pharmacy currently includes three academic departments - Basic Pharmaceutical Sciences, Clinical and Administrative Sciences, and Toxicology.

ACCREDITATION

The Doctor of Pharmacy program in the College of Pharmacy is accredited by the Accreditation Council for Pharmacy Education. The College of Pharmacy is a member of the American Association of Colleges of Pharmacy, an organization whose mission is to promote pharmaceutical education and research.

CORE CURRICULUM

All majors in baccalaureate curricula having pre-professional and professional segments within the College of Pharmacy complete a 42-hour general education core curriculum consisting of English, 6 hours; Mathematics, 6 hours; Natural Sciences, 9 hours; Fine Arts, 3 hours; Humanities, 9 hours; and Social Sciences, 6 hours; FRYs (1), and University Capstone, 3 hours.

DEPARTMENT OF BASIC PHARMACEUTICAL SCIENCES

Briski, DeGennaro, El Sayed, Hill, Hussain, Hsia, Jackson, Jois, Kaddoumi, Liu, Nazzal, Shah, Sylvester

DEPARTMENT OF CLINICAL AND ADMINISTRATIVE SCIENCES

Jastram, Akins, Adams, Biglane, Blake, Cockerham, E. Evans, J. Evans, Feldhaus, Gauthier-Lewis, Jacobs, Labruzzo, Lawrence, Leader, Manor, Nickelson, Parrish, Racca, Rappaport, Rodden, Sherman, Sirmans, C. Smith, G. Smith, Sorrells, Steffenson, Stewart, Tan, Tice, Walker, Wicker, Wilbert, Zagar

DOCTOR OF PHARMACY PROGRAM

The Doctor of Pharmacy degree is the highest level of applied professional education offered in pharmacy. It is designed to assure development of clinical skills and judgment with the acquisition of the confidence necessary to assess therapeutic problems and to be an active participant in those decision-making processes relating to pharmaceutical care. The program is designed to provide a broad spectrum of study in the administrative, biological, clinical, pharmaceutical, and social sciences to prepare the graduate for careers in academic, ambulatory, community industrial and institutional settings.

Admission to the Doctor of Pharmacy requires preparatory coursework focusing in the areas of biological, chemical and physical sciences, and written and oral communications which need to be completed prior to admission into the College of Pharmacy. Students wishing to pursue a career in pharmacy are encouraged to complete their pre-pharmacy requirements in conjunction with pursuing a four year degree (e.g., toxicology, biology, chemistry, etc.). Pre-pharmacy preparatory coursework may be completed at any accredited university. Students aspiring to complete their pre-pharmacy preparatory coursework at the University of Louisiana at Monroe must meet the admission requirements for the University.

Upon completion of the preparatory coursework, students may apply for admission to the Doctor of Pharmacy program in the College of Pharmacy. Admission to the program is competitive and, at a minimum, is based on cumulative pre-pharmacy preparatory course work grade point average, written and oral communication skills, and scores on the Pharmacy College Admission Test.

For the 2009 admission cycle, students applying for admission to the College of Pharmacy must meet the following academic requirements:

- Have a minimum 3.0 cumulative grade point average;
- Meet the University of Louisiana at Monroe's core curriculum requirements with a grade of "C" or better in each core course, and
- Complete the following courses or their equivalents with a grade of "C" or better:

- a. Biology 120, 121, 214, 215, 220, 240, 241, 305, 311, 312, and 313
- b. Business 305
- c. Chemistry 107, 108, 109, 110, 230, 231, 232, 233, and 350
- d. Economics 201
- e. English 101, 102, and 320
- f. Kinesiology 201
- g. Management 301
- h. Math 113, 131, 132, and 303
- i. Physics 203, 204, 209, 210
- j. Communication Studies 201

Students applying for admission in the 2008 admission cycle must complete the following requirements:

1. Have a minimum 3.0 cumulative grade point average;
2. Meet The University of Louisiana at Monroe's core curriculum requirements with a grade of "C" or better in each core course, and,
3. Complete the following courses or their equivalents with a grade of "C" or better:
 - a. Biology 120, 121, 214, and 215
 - b. Chemistry 107, 108, 109, 110, 230, 231, 232, and 233
 - c. Economics 201
 - d. English 101, 102, and 320
 - e. Kinesiology 201
 - f. Math 113, 114
 - g. Physics 203, 204
 - h. Psychology 439 or Math 116
 - i. Communication Studies 201
4. Students with the following courses, in addition to those required for admission, will be given preference in the 2008 admission cycle:
 - a. Biology 220, 240, 241, 305, 311, 312, and 313
 - b. Business 305
 - c. Chemistry 350
 - d. Management 301
 - e. Math 131, 132, (Substitutes for Math 114) and 303 (substitutes for Psychology 439 or Math 116)
 - f. Physics 209 and 210

ADMISSION TO THE DOCTOR OF PHARMACY PROGRAM

Admission to the program is competitive, and is based on the student's academic ability, communication skills, and potential for professionalism. As required by the Accreditation Council for Pharmacy Education, the College of Pharmacy offers extensive experiential clerkship instruction in its educational program. For this reason, admissions are determined annually based upon the availability of the instructional resources available to the program. Preference for admission is extended to Louisiana residents. The University of Louisiana at Monroe, Office of Admissions determines residence status in accordance with the regulations of the University of Louisiana System Board of Supervisors.

In addition to meeting the requirements of admission for the University of Louisiana at Monroe, applicants for admission to the Professional Program in the College of Pharmacy must have completed the required pre-pharmacy preparatory coursework with no grade less than "C" and possess a cumulative grade-point average of at least 3.000 (uncorrected, based on a 4.0 system) in all previous coursework undertaken, exclusive of developmental courses, whether passed or failed at all institutions of attendance.

Applications for admission to the Doctor of Pharmacy program are due to the Office of Student and Professional Affairs in the College of Pharmacy no later than January 15th immediately preceding the applicants effective admission date, and all pre-pharmacy preparatory coursework and university core curriculum requirements must be completed no later than June 1st immediately preceding the applicant's requested effective admission date. Coursework completed more than seven years prior to the applicant's requested admission date cannot be used to satisfy pre-pharmacy requirements and will be excluded from all evaluations and grade point calculations associated with the professional program admission process.

Official scores from the Pharmacy College Admission Test (PCAT) must be submitted by students applying for admission to the professional program. PCAT scores must be submitted by the January application deadline. Selected qualified students will be invited to campus for interviews to evaluate their communication skills and potential for professionalism. Applicants are expected to exhibit the degree of maturity commensurate with advanced academic study, as well as motivation for the practice of pharmacy. Applications will be reviewed by the Admissions Committee, and the Dean will take final action on the committee's recommendation and notify the students concerned. A complete explanation of application procedures pertaining to the current admissions cycle and application forms is available online at the College of Pharmacy website (www.ulm.edu/pharmacy).

Students seeking to transfer to the professional program of the College of Pharmacy from other accredited colleges of pharmacy must meet the pre-pharmacy preparatory coursework requirements and be eligible for admission to the University. Additionally, the applicant must be in good academic standing and be eligible to continue and progress in the College of Pharmacy he/she has been attending. The student must have an overall grade point average of at least 3.000 (4.0 system) on all coursework attempted at the time of transfer. A logical sequence of professional courses and appropriate prerequisites must have been maintained. Advanced standing will be granted on comparable subject matter for which a grade of "C", or better, has been earned. A minimum of one academic year is required for graduation. Transfer opportunities are possible only when vacancies in existing classes occur. Students admitted on a professional transfer basis to a class in progress shall be subject to all requirements and restrictions applicable to other students in the class.

Any person having been convicted of a drug related felony will not be admitted to the professional program of the College of Pharmacy.

ATTENDANCE POLICY

The professional educational experience in the College of Pharmacy involves many multifaceted learning objectives, including professional interactions with faculty and peers, that don't lend themselves to traditional testing modalities and assignment of letter grades. As a result, class attendance is mandatory in all pharmacy courses. Students reported for accumulating more than three unexcused absences in a course during an academic semester will be administratively dropped from the course with a "W" grade. In accordance with College of Pharmacy policy and procedure, a grade of "W" will be counted as an "F" grade with respect to academic standards.

IMMUNIZATION POLICY

In addition to the general Immunization Compliance required of all students by Louisiana R.S. 17.170, students admitted to the professional program of the College of Pharmacy must meet immunization requirements established by the College. Students accepting admission to the College of Pharmacy will be provided a set of immunization requirements and a deadline to meet the requirements. Students failing to meet immunization deadlines will have their offer of admission rescinded.

INSURANCE REQUIREMENTS

Health insurance is required of all students enrolled in the College of Pharmacy. Students failing to show proof of health insurance may have their offer of admission rescinded or be suspended from the program until such proof is available.

PHARMACY INTERN PERMITS

Students admitted to the professional program must apply for an active pharmacy intern permit during the first semester following enrollment into the professional program and maintain it continually throughout enrollment in the professional program. Students found to be in violation of the regulations of the Louisiana Board of Pharmacy may be required to resign their enrollment.

RANDOM DRUG SCREENING REQUIREMENTS

In the interest of public health and safety, all students enrolling the professional program of the College of Pharmacy are subject to random drug screening. Such tests are conducted by independent laboratories and test results are reported directly to the College of Pharmacy.

Results of random drug screenings will also be reported to Louisiana State Board of Pharmacy.

TRANSPORTATION

College of Pharmacy classrooms are located approximately 1 & 1/2 miles away from the main campus. Students are expected to provide their own transportation to and from classes. Additionally, Introductory and Advanced Practice Experiences may be assigned anywhere in Louisiana or the surrounding region. Students are expected to provide for their own housing and transportation during the practice experiences.

ACADEMIC, ETHICAL AND PROFESSIONAL STANDARDS

Students admitted to the College of Pharmacy are held to rigorous academic, ethical and professional standards as outlined in the College of Pharmacy Student Bulletin. To complete the Doctor of Pharmacy program, the student must have demonstrated satisfactory academic performance and ethical and professional standards. Disciplinary actions may occur based on violations of academic, ethical or professional standards as outlined in the College of Pharmacy Bulletin.

ACADEMIC PROGRESSION. Failure of a student to earn a minimum grade of "D" in a professional pharmacy course precludes progression to courses for which it is a prerequisite. In the event that a student fails to obtain a grade of "C" or better in a professional pharmacy course, the student must remediate that course or its equivalent at the next offering of the course, and such remediation must be completed within one year of the original course. Course withdrawals and leaves of absences disrupt a student's progress and are discouraged. A student who must withdraw from one or more courses for compelling circumstances beyond his or her control may petition the Associate Dean of Academic Affairs to withdraw from specific courses or from all courses. Withdrawal from a course without administrative approval will result in "W" grades being treated as a grade of "F" for academic progression and retention purposes. Failure of a student to earn a minimum grade of "C" in all professional pharmacy courses precludes progression to the Advanced Practice Experiences. Students who fail to meet minimum progression standards may find it necessary to resign their enrollment for one or more semesters. Students who interrupt their enrollment in professional pharmacy courses for a period of more than two consecutive enrollment periods (two semesters or a 12-week summer session plus a semester) must apply for readmission to the professional program of the College of Pharmacy.

PROBATION. Any full-time or part-time student enrolled in the professional program in pharmacy who fails to maintain a minimum overall cumulative grade point average of 2.0 in required professional pharmacy courses, earns a semester grade-point average below 2.0 in professional pharmacy courses or earns a grade of "D" or

lower in two or more professional pharmacy courses in a semester shall be placed on probation. Students may also be placed on probation for violation of ethical or professional standards.

REMOVAL FROM PROBATION. To be removed from probation, full-time or part-time students enrolled in the professional program of pharmacy must earn sufficient quality points to achieve an overall cumulative grade point average of at least 2.0 in required professional pharmacy courses and earn a grade of "C" or better on all professional pharmacy coursework during their next regular enrollment period and meet any criteria set by the academic standards committee. Students placed on probation due to violation of ethical or professional standards will be removed from probation when they have met the requirements set by the Board of Ethical and Professional Conduct and the Dean of the College of Pharmacy in their disciplinary actions.

SUSPENSION. Any student on probation who fails to achieve an overall cumulative grade point average of at least 2.0 in required professional pharmacy courses at the conclusion of their probationary enrollment shall be suspended for a period of one academic year. Upon reentry into the professional program of pharmacy after suspension for scholastic reasons, a student is placed on probation and will be suspended if an overall cumulative grade average of at least 2.0 in required professional pharmacy courses is not achieved during the next enrollment period. Students who have their permit suspended or revoked by the Louisiana Board of Pharmacy will be suspended from the College of Pharmacy until their permits are reinstated. Suspensions related to violations of ethical and professional standards may vary in duration, and students suspended for non-academic reasons must meet the requirements set by the Board of Ethical and Professional Conduct in their disciplinary action to be readmitted into the program.

In order to preserve the educational environment of the College of Pharmacy, any student enrolled in the professional program of the College of Pharmacy who is formally charged by civil authorities with the commission of a drug related felony shall be suspended from the College of Pharmacy pending the outcome of the civil judicial process. The policy is applicable to all such alleged offenses whether committed on the University campus or at an off-campus location.

COURSES TAKEN BY STUDENTS UNDER SUSPENSION. No student under suspension for scholastic reasons may obtain credit toward a degree on courses pursued at another institution while ineligible to register in any institution under the jurisdiction of the University of Louisiana System Board of Supervisors.

DISMISSAL FROM PHARMACY. Any student enrolled in the professional program of pharmacy shall be dismissed from the program for the following:

- 1) Receiving a second scholastic suspension.
- 2) Failing to satisfy all graduation requirements for the Doctor of Pharmacy Degree within a six calendar year period immediately following his/her initial enrollment in the professional pharmacy program. If a student reaches a point from which

it could not be expected for him/her to finish within the required six-year period by progressing through the normal sequencing of remaining courses, the student will be dismissed from the program at that time.

- 3) Any student enrolled in the professional pharmacy program that earns two or more "F" grades in professional pharmacy courses - in any sequence or combination.
- 4) Any student enrolled in the professional pharmacy program that fails to complete a required professional pharmacy course or its equivalent with a minimum grade of "C" upon a second attempt. (i.e. when repeating a required professional pharmacy course in which an initial grade of either "F" or "D" was earned, the student must achieve a minimum grade of "C" upon the first remediation attempt).
- 5) Students denied a pharmacy intern permit by the Louisiana Board of Pharmacy.
- 6) Any student who has been admitted to the professional program of the College of Pharmacy and subsequently convicted of a drug related felony.
- 7) Students who have their pharmacy intern permit permanently revoked.
- 8) Any student admitted to the professional program that is not compliant with the immunization requirements of the College of Pharmacy.
- 9) Students failing to attend class.
- 10) Professional and/or ethical misconduct.
- 11) Inability to meet the technical standards of the College of Pharmacy.

DROPPING CLASSES OR WITHDRAWING FROM THE COLLEGE OF PHARMACY. Students admitted into the Doctor of Pharmacy Program in the College of Pharmacy are not allowed to withdraw from courses or from the College or University without academic consequences. Students withdrawing from courses without administrative support will receive a grade of "W" which will be treated as a grade of "F" for academic standards purposes. Students withdrawing from the College or University without administrative support may not resume activities in the College unless they are readmitted to the Doctor of Pharmacy Program.

Students wishing to take a leave of absence or withdraw from the program with administrative support must send a written request to the Associate Dean of Academic Affairs in the College of Pharmacy. To receive administrative support for withdrawal, students must demonstrate and document a significant hardship that will impact their ability to continue in the program. Failure to maintain appropriate progress or achievement in a course is not sufficient hardship to acquire administrative support. The request will be reviewed by the Associate Dean of Academic Affairs in consultation with the Office of Student and Professional Affairs. Students receiving administrative support for withdrawing from the program will sign a letter of agreement from the Associate Dean of Academic Affairs which states the reason they are withdrawing from the program, when they will return to the program,

remediation or developmental programs that must be completed while on leave, and the status of the student upon returning to the program. Students withdrawing from the College of Pharmacy professional program with administrative support will be readmitted to the program upon completion of the requirements set forth in their letter of agreement. Students not complying with their letter of agreement will be dismissed from the program unless the letter has been modified with the consent of the Dean of the College of Pharmacy or his/her designee. Students withdrawing from the Doctor of Pharmacy Program without administrative support will be considered dismissed from the program and must appeal to the College of Pharmacy Academic Standards Committee for readmission to the program.

APPEALS FOR STUDENTS WHO HAVE WITHDRAWN OR BEEN DISMISSED FROM THE COLLEGE OF PHARMACY. Students who have withdrawn from the University or College without administrative support or have been dismissed from the College of Pharmacy for academic reasons may appeal to the Academic Standards Committee for readmission to the program. The student should write a letter of appeal to the Chair of the Academic Standards Committee outlining and supporting their request to be readmitted to the program. The Academic Standards Committee will review the request and recommend appropriate action to the Dean of the College of Pharmacy. The Dean or his designee will communicate the decision to the student in question via certified mail.

Students dismissed from the College for professional or ethical reasons, may appeal to the Ethics and Professional Conduct Committee for readmission to the program. The student should write a letter of appeal to the Ethics and Professional Conduct Committee outlining and supporting their request to be readmitted to the program. The Ethics and Professional Conduct Committee will review the request and recommend appropriate action to the Dean of the College of Pharmacy. The Dean or his designee will communicate the decision to the student in question via certified mail.

Students who have withdrawn from the University or College without administrative support or who have been dismissed from the College for violation of academic or ethical and professional standards will not be allowed to reapply for admission as a first time student, and can only be readmitted to the College via the appropriate committee.

Any decision for readmission to the program may include conditions of remediation or development, including but not limited to repeating all or part of the program the student has already completed, that must be successfully completed for the student to reenter or remain in the program.

DEGREE REQUIREMENTS

In addition to meeting the general requirements for graduation, the candidate for the Doctor of Pharmacy degree must, after completing the requirements of the

pre-pharmacy preparatory coursework, be enrolled in the professional pharmacy curriculum for a minimum of four academic years (eight semesters or equivalence) and have earned a minimum grade of "C" in all courses comprising the degree requirements. Courses graded on a credit (C), no credit (NC) basis are excluded.

COMPUTER LITERACY

Computer literacy for pharmacy majors is defined as an ability to effectively utilize representative commercially available pharmacy applications software in pharmacy practice. Each student must demonstrate computer literacy. Students who have never used a personal computer for common applications such as word processing are encouraged to complete Computer Science 170 (or equivalent) prior to enrolling in the professional pharmacy program.

EXPERIENTIAL PROGRAM POLICY

The experiential program component of the professional pharmacy curriculum consists of supervised experiences of one-month duration each to be completed at affiliated practice sites. This experiential component begins with mandatory registration in supervised experiences during the Summer preceding both the second and third professional years of the professional program and culminates with additional supervised clinical experiences distributed over an eleven-month period beginning on June 1 of the student's fourth year. To accommodate the non-standard nature of the academic calendar relating to the experiential program in the student's final year, two non-standard academic terms are scheduled. Each term is equivalent in cost to a regular semester but is structured around an academic calendar that is unique to the final year of the Doctor of Pharmacy Program. Non-standard Term I begins on June 1 and ends on November 30. Non-standard Term II begins on December 1 and ends at the conclusion of the standard Spring Semester. Students must enroll in their first advanced practice experience in Non-standard Term I.

Although the primary administrative and instructional facilities of the College of Pharmacy are housed at the University of Louisiana at Monroe, the program has numerous off-campus clinical affiliates located inside and outside of Louisiana. Students may be required to relocate for advanced practice experiences in the final year of the program. Because local sites are limited and demand is great, standing in the program may be used to allocate advanced practice experience sites. The student is referred to the Introductory and Advanced Practice Experience Manuals for complete policy and procedures governing the experiential component of the program.

**DOCTOR OF PHARMACY CURRICULUM
FOUR YEAR PROGRAM**

First Professional Year

(Fall & Spring Semesters, Summer Term)	Hrs.
Pharmacy 300	1
Pharmacy 350	3
Pharmacy 402	4
Pharmacy 403	3
Pharmacy 407	3
Pharmacy 408	2
Pharmacy 409	3
Pharmacy 411	3
Pharmacy 412	3
Pharmacy 425	3
Pharmacy 436	1
Pharmacy 447	3
Pharmacy 451	3
Pharmacy 480	3
Total	38

Second Professional Year

(Fall & Spring Semesters, Summer Term)	
Pharmacy 410	3
Pharmacy 413	4
Pharmacy 414	4
Pharmacy 418	2
Pharmacy 424	4
Pharmacy 432	3
Pharmacy 446	3
Pharmacy 481	3
Pharmacy 585	4
Pharmacy 586	5
Pharmacy Electives 481	2
Total	37

Third Professional Year

(Fall & Spring Semesters)

Pharmacy 385	2
Pharmacy 445	1
Pharmacy 454	3
Pharmacy 503	2
Pharmacy 515	3
Pharmacy 574	3
Pharmacy 587	5
Pharmacy 588	4
Pharmacy 589	2
Pharmacy Electives	8
Total	33

Fourth Professional Year

(Non-Standard Pharmacy Terms I & II)

Pharmacy 591	3
Pharmacy 592	3
Pharmacy 604	3
Pharmacy 608	3
Pharmacy 630	3
Pharmacy 631	3
Pharmacy 606 or 609	3
Pharmacy 629 or 632	3
Total	24
Total hours for degree, 235 (includes preparatory coursework)	

DEPARTMENT OF TOXICOLOGY

Blaylock, Baer, Mehendale, Meyer

The undergraduate Toxicology program consists of a four-year curriculum which includes a solid foundation in basic sciences, a broad background in the science of Toxicology with several highly specialized courses, and sufficient courses in other areas to provide the student with a well rounded education. The concept of a broad background with certain specialized courses is intended to allow the graduate to fit into any of several aspects of toxicology, including industrial hazard control, environmental pollution control, product safety assessment, forensic toxicology, and toxicology research.

ADMISSION TO THE PROGRAM IN TOXICOLOGY

Applicants for admission to the undergraduate program in toxicology must meet the general admission requirements for admission to the University. Applications are to be submitted to the University Admissions Office.

TOXICOLOGY

Freshman Year	Hrs.
Core English Composition*	6
Core Fine Arts*	3
Core Mathematics*	6
Core Social Science*	3
Biology 120 ^{cnp} , 121	4
Chemistry 107 ^{cnp} , 108 ^{cnp} , 109, 110	8
Computer Science 170	3
FRYS 101	(1)
Total	33

Sophomore Year

Biology 214, 215; 311; 312, 313.....	11
Chemistry 230, 231, 232, 233	8
Mathematics 116 ^{cm}	3
Physics 203, 209; 204, 210	8
Toxicology 101; 201	4
Total	34

Junior Year

Core Humanities*	3
Core Social Science*	3
Chemistry 240, 241, 350, 407	12
English 320.....	3
Nursing 280	3
Toxicology 411; 413	4
Total	28

Senior Year

Core Humanities Elective*	6
Criminal Justice 330	3
Pharmacy 404	2
Toxicology 326; 412, 414, 424, 443, 444; 491	14
University Capstone 300 ^{uc}	3
Total	28

Total hours for degree, 123.

*Students should see the Core Curriculum requirements on pages 83 and 121.