

COLLEGE OF PHARMACY AND HEALTH SCIENCES

OVERVIEW

The College of Pharmacy and Health Sciences consists of three departments: Pharmaceutical Sciences, Pharmacy Practice, and Health Sciences. The College offers two degrees in pharmacy: the entry-level Doctor of Pharmacy (two-year pre-pharmacy, four-year professional program degree) and the Doctor of Pharmacy (two-year post-baccalaureate degree); and graduate degrees in Health Care Administration (M.S. in Health Care Administration) and Pharmaceutical Sciences (M.S. and Ph.D. in Pharmaceutical Sciences). The College offers **five baccalaureate or undergraduate degrees through the Department of Health Sciences: the Bachelor of Science in Environmental Health, the Bachelor of Science in Health Administration, the Bachelor of Science in Health Information Management, the Bachelor of Science in Respiratory Therapy, and the Bachelor of Science in Clinical Laboratory Science (Medical Technology)**. Information on the post-baccalaureate Doctor of Pharmacy Degree, the Master of Science Degree in Health Care Administration and the Master of Science and Doctor of Philosophy degrees in Pharmaceutical Sciences should be obtained directly from the College of Pharmacy and Health Sciences Admissions Office (3100 Cleburne; Houston, Texas 77004-9987).

Administratively, the College is organized with a Dean who is assisted by an Associate Dean for Academic Affairs, an Assistant Dean for Student Services, an Assistant Dean for Practice Programs, and three Faculty Chairs who administer the didactic and experiential components of all programs. The Associate Dean for Academic Affairs is responsible for all academic matters of the College, and in the absence of the Dean, is responsible for the operations of the College. The Assistant Dean for Student Services coordinates all student related organizations and activities, including admissions, registration, counseling, and academic advising. The Assistant Dean for Practice Programs is responsible for the coordination of the professional practice experiences program. The Dean, Associate Dean, Assistant Deans, and Chairs of Pharmaceutical Sciences and Pharmacy Practice are housed in Gray Hall. The office of the Assistant Dean for Practice Programs is located on the Texas Medical Center John P. McGovern Campus and the Chair of the Department of Health Sciences is housed in Room 202 of the Nabrit Science Center.

MISSION STATEMENT

The mission of the COPHS is to produce quality health care professionals, particularly minorities who are competent in a variety of health care methods and techniques—including pharmaceutical care as well as in the delivery of such care. In fulfilling its purpose, the College is committed to two objectives: providing an innovative, productive and receptive learning environment for research and scholarly activities and services, and infusing new technology into its infrastructure and academic programs.

ACCREDITATION

The College of Pharmacy and Health Sciences is a member of the American Association of Colleges of Pharmacy, and the Association of Schools of Allied Health Professions. Programs in Pharmacy are accredited by the Accreditation Council for Pharmacy Education. The Respiratory Therapy Program is accredited by the Commission on Accreditation of Allied Health Programs (CAAHEP) and the Committee on Accreditation for Respiratory Care (CoARC). The Health Information Management Program is accredited by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM). The Clinical Laboratory Science (Medical Technology) Program is accredited by the National Accrediting Agency for Clinical Laboratory Science. The Environmental Health Program is accredited by the Environmental Health Accreditation Council (EHAC).

REGISTRATION AS A PHARMACIST IN THE STATE OF TEXAS LICENSURE AND EXPERIENCE REQUIREMENTS

To become a registered pharmacist in the State of Texas, a person must have, at least, an earned Bachelor of Science (B.S.) degree in Pharmacy or an earned Doctor of Pharmacy (Pharm.D.) degree from an accredited college of pharmacy in the United States; must obtain a passing grade (75 %) on the North American Pharmacist Licensure Examination (NAPLEX); and must earn a passing grade (75 %) on the Multistate Pharmacy Jurisprudence Examination. In order to qualify to take the NAPLEX in Texas, a person must be a graduate of an accredited college of pharmacy with either a Bachelor of Science or Doctor of Pharmacy degree, be at least 21 years of age, be of good moral character, and fulfill the practical experience requirement.

The College of Pharmacy and Health Sciences has a structured practical experience program, approved by the Texas State Board of Pharmacy, which satisfies the practical experience requirement for licensure.

REGISTRATION IN ENVIRONMENTAL HEALTH

Persons completing the program of study in Environmental Health are eligible to apply for registration/certification with the National Environmental Health Association (NEHA), the Air Pollution Training Institute (APTI), the National Safety Council (NSC), the American Conference of Governmental Industrial Hygienists (ACGIH), the National Society of Health Physics (NSHP), the Texas Environmental Health Association (TEHA), and the Texas Commission on Environmental Quality (TCEQ). The curriculum of study prepares students for successful completion of registration/certification examinations for Environmental Quality Specialist, Hazardous Substance Professional, Industrial Hygienist, and Health Physicist.

REGISTRATION/CERTIFICATION AS A HEALTH INFORMATION MANAGER

The Bachelor of Science Degree is awarded to students upon successful completion of the curriculum in Health Information Management. Once students earn this degree, they are eligible to apply for registration as Health Information Managers through the American Health Information Management Association.

REGISTRATION/CERTIFICATION IN CLINICAL LABORATORY SCIENCE (Medical Technology)

Upon completion of all academic and professional work in Clinical Laboratory Science, students are eligible to receive both the Bachelor of Science Degree in Clinical Laboratory Science and a Certificate of Completion in Clinical Laboratory Science, as well as to apply to take the national certification examination administered by The American Society for Clinical Pathology Board of Registry and The National Certification Agency for Medical Laboratory Personnel.

LICENSURE/CERTIFICATION AS A RESPIRATORY THERAPIST

Eligible seniors will receive the program Certificate of Completion and will take the National Board of Respiratory Care Entry Level Examination (CRT). After successful completion of the CRT, and receipt of State Licensure, seniors will take the two professional board Registry examinations (WRT and CSE) to obtain the Registered Respiratory Therapist (RRT) credential. The Bachelor of Science Degree in Respiratory Therapy is awarded upon successful completion of the curriculum.

ADMISSION POLICIES

General

Admission to the College of Pharmacy and Health Sciences is under the Office of Student Services in the College (through an official Admissions and Academic Standards Committee) and the University Director of Admissions. **All correspondence on this subject should be directed to the Assistant Dean for Student Services in the College of Pharmacy and Health Sciences Admissions Office at Texas Southern University (3100 Cleburne; Houston, Texas 77004-9987).** A completed application, including all required supporting credentials, should be received by the College Admissions Office as early as possible, but no later than February 15 of the year in which admission is desired (new students are admitted only in the Fall semester). Credentials for admission must, in every case, include a complete record of all previous high school, college, and/or university work.

Because of the uniqueness of the various programs in the College of Pharmacy and Health Sciences, it is important that interested persons consult the specific program criteria that complement the general policies described here and seek advisement from faculty in the program of interest.

All requirements for graduation with the entry-level Doctor of Pharmacy Degree must be completed within six years after enrollment in the Professional Program. All requirements for graduation with a B.S. in one of the Health Sciences must be completed within six years after initial enrollment as a freshman or within four years in the professional program. When this is not the case, the complete academic records of students in question will be subject to review by the Faculty of the College of Pharmacy and Health Sciences to determine whether or not continuation will be allowed. **During the semester prior to graduation, students must file a graduation application. They should contact the Office of the Assistant Dean for Student Services regarding the graduation application process.**

A. For the Pre-Pharmacy Program

Students admitted to the Pre-Pharmacy Program are admitted based on the university's open admissions policy. This policy provides equal educational opportunity to all graduates of accredited high schools in the United States and foreign countries and also mature adults who have passed the GED examination.

Students admitted to the Pre-Pharmacy Program should be referred to the Office of Student Services for advisement after they have met ASSET requirements. These students are primarily eligible to take core curriculum courses leading toward the entry-level Doctor of Pharmacy until they are eligible to apply for admission to the Professional Pharmacy Program. Students applying for the Professional Pharmacy Program must also have met ASSET requirements. Admission to the Pre-Pharmacy Program is not a guarantee of acceptance in the Professional Pharmacy Program referenced below.

B. For the Professional Pharmacy Program or Curriculum

1. **Pre-professional (pre-pharmacy) students** desiring to enroll in the professional pharmacy program must make application for admission to the College Admissions and Academic Standards Committee by the end of the first semester of the second year (sophomore level). The following should be noted:
 - a. Prior to admission to the professional pharmacy program, students must have completed all of the requirements for the first two years (pre-pharmacy curriculum) and met ASSET requirements at the University
 - b. No grade below “C” (2.00) will be accepted in the required courses. Students having grades below “C” in these courses will be allowed to repeat them, after which time they may apply again to the professional pharmacy program.
 - c. The on-line application for admissions to the Entry-Level Pharm.D. Program and completed credentials must be received by February 15th.
 - d. The Pharmacy College Admissions Test (PCAT) is required for all students seeking admission. Applicants are encouraged to participate in either the October, January, or February test date for the PCAT. Applicants with PCAT scores more than one calendar year old will not be considered for admission.
 - e. Applicants must be interviewed before admission is offered. A completed on-line application for admission, including the required letters of recommendation/evaluation, scores from the Pharmacy College Admission Test (PCAT), and academic transcripts are required to be considered for an interview. Submission of all required documentation does not guarantee an invitation for a personal interview
 - f. Not more than sixty-six (66) semester credit hours completed (grades of “C” or better) will be accepted on transfer from community or junior colleges.
2. **Currently enrolled Professional-program students** must maintain an average of “C” (2.00) or better and earn grades of “C” or better in required courses in any given year. If these standards are not maintained, the following rules will be enforced:
 - a. Students may repeat the course(s), if offered, during the summer at the University or any approved accredited university before they can enter the next professional year of study.
 - b. Students failing (i.e., grade less than ‘C’) a required course will be allowed to repeat it twice. Students failing to receive a satisfactory grade after this period will not be allowed to continue in the professional pharmacy program.
3. Applicants may be admitted to the College of Pharmacy and Health Sciences by transfer from an accredited standard college or from an approved community or junior college under the following conditions:
 - a. If the applicant is not under penalty for low scholarship (i.e., poor academic performance) or unsatisfactory conduct in any collegiate institution previously attended.
 - b. If the academic average in all college work previously attempted is not below the grade of "C+" with a GPA of 2.50 or more on a scale of 4.00.
 - c. If the Pharmacy College Admission Test (PCAT) has been taken.
 - d. If the applicant receives a favorable recommendation from the College Admissions and Academic Standards Committee. The Committee will verify that all of the requirements for the Pre-Pharmacy Program have been met.
 - e. If the applicant has not exceeded the maximum of 66 credit hours from a two year college.

C. For Graduates of Foreign Schools of Pharmacy

The Faculty of the College of Pharmacy and Health Sciences has approved the following stipulations for all graduates of Foreign Schools of Pharmacy seeking the entry-level Doctor of Pharmacy Degree from Texas Southern University:

1. That all applicants in this category apply to the entry-level Pharm.D. program as a first year student; must take the Pharmacy College Admission Test (PCAT) and complete all prerequisites required for admission.
2. All foreign transcripts must be evaluated by one of the approved agencies certified by Texas Southern University. A complete list of agencies may be obtained from the Office of International Affairs at Texas Southern University.
3. That all applicants in this category must meet the foreign language requirements of the University.

D. For the Pre-Health Sciences Program

Admission to the Pre-Health Sciences Program is open to all students who: (1) present evidence of a having a diploma confirming high school graduation; (2) show evidence of good character and intellectual promise; and (3) present scores earned on either the SAT or ACT examination. Students in this category may follow the curriculum of study for the Health Sciences Program of choice up to enrollment in professional-level courses. Before enrollment in professional-level courses is permitted, students must formally apply for admission to the Program of choice through the College Admissions and Academic Standards Committee and in accord with requirements or stipulations presented below. It is important that all applicants for the Health Sciences Programs seek advisement from the faculty in the program of interest. Once acceptance is recommended by the Committee, students may enroll in professional-level courses and complete requirements for the chosen Health Sciences degree and professional credential.

E. For the Professional Program in Environmental Health

All students seeking admission to this program must formally apply to the Admissions and Academic Standards Committee in the College through the Program Director. Applications must be accompanied by official transcripts of all college work (with evaluations from the University Registrar) and three letters of recommendation from previous teachers, advisors, or workplace supervisors. All applicants must have met ASSET responsibility and have a GPA of 2.50 or better on a 4.00 scale in mathematics, biology, chemistry, and physics before entering the Program. Students must have acceptance prior to enrollment in professional courses.

F. For the Professional Program in Health Administration

For acceptance into the Health Administration Program, students must arrange appointments with a faculty advisor prior to placing applications. Once initial advisement is completed, students must seek admission to this program by applying to the Admissions and Academic Standards Committee in the College through the Program Director. Official transcripts of all college work (with evaluations from the University Registrar) must accompany all applications, as well as three letters of recommendations. Additionally, all applicants must have met ASSET responsibility and have a GPA of 2.50 or better on a 4.00 scale in mathematics, biology, chemistry, and physics to qualify for admission. Students must have acceptance prior to enrollment in professional courses.

Membership and active participation in the Student American College of Health Services Executives (ACHESA) is encouraged. All students admitted to the Health Administration Program are expected to apply for membership in the American College of Health Services Executives as a student member. ACHESA is the official professional organization. This forum will allow for interaction between students and practicing members in the health care management professions.

G. For the Professional Program in Health Information Management

To qualify for admission to the Health Information Management Program, students must submit applications to the Admissions and Academic Standards Committee in the College through the Program Director accompanied by three letters of recommendation and transcripts of all college work (with evaluations from the University Registrar). Applicants must have met ASSET responsibility at the time of application and have GPA's of 2.50 or better on a 4.00 scale in mathematics, business, and computer science to qualify for admission and prior to enrollment in professional courses.

H. For the Professional Program in Clinical Laboratory Science

Students seeking admission to this program must arrange an appointment with the Program Director prior to submitting an application. Once initial advisement is completed, students should make application to the program by April for the Fall class. There is only one entering class each year in the Fall semester. Applicants must be accepted prior to enrollment in professional courses. Students applying must submit applications to the Admissions and Academic Standards Committee in the College through the Program Director, three letters of recommendation from previous instructors, and transcripts of all college work completed (with evaluations from the University Registrar). In addition, they must have met all ASSET requirements and have GPA's of 2.50 or better on a 4.00 scale in mathematics, biology, chemistry, and physics. Applicants are required to take the HOBET (Health Occupations Basic Entrance Test) examination.

I. For the Professional Program in Respiratory Therapy

Applications for admission to this program are accepted and finalized each Fall Semester. All entry-level professional courses begin each Spring Semester. The application process is competitive and requires the submission of an application to the Admissions and Academic Standards Committee in the College through the Respiratory Therapy Program Director accompanied by three letters of recommendation and transcripts of all college work completed (transferred credits must be evaluated by the University Registrar). Students applying must have met ASSET responsibility and have GPA's of 2.50 or better on a 4.00 scale in Mathematics and the Basic Sciences of Biology, Chemistry, and Physics. Applicants are required to take the HOBET (Health Occupations Basic Entrance Test) examination.

TRANSFER CREDIT

The designation of "advanced standing" may be granted, by level, to students transferring from other institutions into the Pre-Pharmacy Program, the Professional Pharmacy Program, or one of the Health Sciences Programs on a case-by-case basis through the Office of Admissions at the University, through the Admissions and Academic Standards Committee in the College, and under rules set forth by authorized committees of the University Faculty. However, students transferring, specifically, into one of the Health Sciences Programs may transfer **no more than sixty-six (66) semester credit hours from either a community/junior college or four year college or university.**

The University reserves the right to determine, after a period of at least one semester, the exact number of advanced credits that a student may be credited with.

CLASSIFICATION OF STUDENTS IN PHARMACY

In order to enroll for courses during the professional years of study toward completion of the entry-level Doctor of Pharmacy Degree, students must be classified in accord with the stipulations indicated. First professional year students must have at least 64 semester credit hours and twice as many quality points. These students must have completed the prescribed lower division or pre-pharmacy courses. Second professional year students must have at least 99 semester credit hours, twice as many quality points, and completed the prescribed courses for the first year. Third professional year students must have completed at least 132 semester credit hours, twice as many quality points, and completed the prescribed courses for the second year. Fourth professional year students must have completed at least 160 semester credit hours, twice as many quality points, and completed the prescribed courses for the third year. Students not meeting these requirements will be classified by the Faculty.

CLASSIFICATION OF HEALTH SCIENCE MAJORS

A. First Year Students

First year students are those pre-professional students who have desire to enroll in one of the Health Sciences majors. These students are enrolled in the respective classes' for the given curriculum having met all requirements for admission to the university.

B. Second Year Students

Second-year students are those pre-professional students who have successfully completed the first-year courses for their respective health science program with the required credit hours as listed below and who have at least twice as many quality points as credit hours:

Environmental Health	-36 credit hours
Health Care Administration	-34 credit hours
Health Information Management	-40 credit hours
Clinical Laboratory Sciences	-35 credit hours
Respiratory Therapy	-34 credit hours

C. Third Year Students

Third-year students are considered first-year professional program students.

1. They must have successfully completed the prescribed lower division work including successful completion of the Texas Higher Education Assessment Test (THEA or ASSET)
2. They must have been approved for admission by the appropriate faculty Admission Committee.
3. They must have at least the required credit hours listed below and must have earned at least twice as many quality points as credit hours.

Environmental Health	-76 credit hours
Health Care Administration	-65 credit hours
Health Information Management	-71 credit hours
Clinical Laboratory Sciences	-75 credit hours
Respiratory Therapy	-80 credit hours

D. Fourth- Year Students

Fourth-year students are considered second-year program students.

1. They must have successfully completed the first-year professional courses.
2. They must have at least the required credit hours.

CLASS ATTENDANCE

Compulsory class attendance is the official College of Pharmacy and Health Sciences policy affecting all students regularly enrolled in courses offered through the College. Students are required to attend 85 % of all regularly scheduled classes, except in advanced pharmacy practice experiences, internships, preceptorships, and other experiential courses, where no more than two absences are allowed. Class meetings are usually scheduled Monday through Friday of each week. Prior to mid-term, failure to attend regularly scheduled classes as required above will be deemed adequate grounds for dismissal from a course. After mid-term, failure to comply with the attendance policy may result in a non-passing final grade for the course.

COMPREHENSIVE EXAMINATIONS

Pharmacy

Students will be required to take formative and summative examinations at various phases during the curriculum.

During the fourth professional year of study, students must successfully complete a comprehensive examination where the score is validated by the Faculty. Graduation must occur within one year of successful completion of the Comprehensive Examination, or the Comprehensive Examination must be repeated.

Environmental Health

Students must pass a comprehensive examination prior to graduation. The passing score is 75%. The examination is administered during the senior year after candidates for graduation have initiated the graduation application process. Persons with prior certification in an environmental health profession or who have pursued certification examinations during the course of their studies from internationally acknowledged organizations, such as the National Environmental Health Association (NEHA), may be exempt from this requirement based upon positive outcomes.

Health Information Management

A comprehensive examination is required of all students to complete this program. They must pass this examination, which is given during their senior year, with a score of 75% or better; and they must have the approval of the Program Director before attempting the examination. Once the examination is completed, students are individually issued a Certificate of Completion in Health Information Management; and they may petition to take the American Health Information Management Association RHIA Certification Examination.

Clinical Laboratory Science

All students in this program are required to pass a comprehensive examination during their senior year with a score of 75% or better prior to graduation. Students approved for graduation may also petition to take a national examination administered by The American Society of Clinical Pathology Board of Registry and The National Certification Agency for Medical Laboratory Personnel. Students failing the comprehensive examination will be required to complete remedial activities and/or course work prior to re-examination. In the case of failure, graduation must occur within one year of successful completion of the examination, or all sections of the examination must be repeated. Students will only be allowed to repeat the comprehensive examination twice.

Respiratory Therapy

A three-part program comprehensive examination is required of all students for receipt of the program Certificate of Completion in Respiratory Therapy. Students must be approved by the Program Director to attempt this examination. Successful completion of all parts of the comprehensive examination qualifies students to take the professional National Board of Respiratory Care Entry board examinations (CRT, WRT/CSE), which must be passed in this sequence and in accord with national passing rates. Students failing any part or parts of the program comprehensive examination will be required to enroll in documented recapitulative course work prior to taking the examination again.

SCHOLASTIC REPORTS AND PROBATION

Temporary grades for students are reported at mid-semester. If students are doing unsatisfactory work at that time, they have full responsibility for their own improvement; and it is recommended that they confer with their assigned faculty advisors and with course instructors for advisement. Poor scholarship, non-attendance, questionable conduct, or lack of industry are reasons for placing a student on probation and for possible dismissal. Probation implies:

- a. That if the probation is a result of poor scholarship, it is the responsibility of individual students to report, at least, once a month to their faculty advisors.
- b. That poor scholarship is interpreted to mean failure to earn, at least, twice as many quality or grade points as semester credit hours attempted during any semester.

ACADEMIC DISCIPLINE

The primary purpose of discipline is educational in nature and is aimed at the development of responsible student conduct.

The University has the right and the duty to protect its educational purpose through setting and maintaining standards and regulations considered essential to its purpose. Such standards encompass both dress and behavioral patterns. Guidelines for proper professional conduct include honesty and personal integrity; respect for human rights, dignity, and well being; proper language; neatness in personal appearance; courtesy; and cooperation. Disciplinary regulations and procedures are described in the Student Academic Policy Handbook. It should be kept in mind that suspension and expulsion are among the penalties for grave breaches of discipline. A copy of the Student Academic Policy Handbook for the College of Pharmacy and Health Sciences is available in the Office of the Dean, in the Office of the Assistant Dean for Student Services, and in the Health Sciences Department Office.

PROFESSIONAL FEES

PHARMACY AND HEALTH SCIENCES FEE. In addition to the cost of tuition, all students are required to pay a professional fee as part of registration fees. The amount of this fee is subject to change from semester to semester. Collectively, these fees are used to support student travel to professional meetings and to support student activities.

PROFESSIONAL STUDENT LIABILITY INSURANCE. All students who are enrolled in practice experiences in pharmacy or health sciences programs are required to purchase liability insurance. The insurance is mandatory and serves to protect the student and the College of Pharmacy and Health Sciences, and is a condition for affiliation with other participating institutions.

HEALTH INSURANCE. Health insurance that covers inpatient and outpatient services is a requirement of all students participating in practice experiences and is a condition of the affiliation agreements with host institutions.

BACKGROUND CHECK. A background check is required of students participating in practice experiences. Students are referred to an on-line third party vendor, as appropriate, to request the background check and are responsible for any associated costs and paperwork.

SPECIAL REQUIREMENTS FOR PHARMACY AND HEALTH SCIENCES STUDENTS PARTICIPATING IN PRACTICE EXPERIENCES

Students in the College who are enrolled in professional practice experiences will be required to present proof of the following:

1. Current record of required immunizations, including MMR (Measles, Mumps, Rubella), Hepatitis B (series I, II, III), Diphtheria/Tetanus, Tuberculin skin test (annual). Any student who has a positive PPD must provide copy of a recent chest x-ray, and Varicella compliance. Students must provide dates of Varicella vaccination or a positive antibody titer. These requirements are subject to change depending upon requests from affiliates.
2. Cardiopulmonary Resuscitation (CPR) Training
3. Health Insurance Portability and Accountability Act (HIPPA) Training
4. Occupational Exposure to Blood Borne Pathogens Training

The students must meet all other specific requirements of affiliated health care facilities.

SPECIAL REGULATIONS IN THE COLLEGE OF PHARMACY AND HEALTH SCIENCES

The Dean's Office is the executive office of the Faculty. It is the Dean's duty, under the direction of the Provost/Senior Vice-President for Academic Affairs and President, to enforce the rules of the Faculty, the rules of the Board of Regents, and to administer discipline in the case of violations.

Students must repeat any course in the Pharmacy or Health Sciences curricula in which a grade below 'C' (including 'C-') has been earned. Students who earn grades of 'C-', 'D+', or 'D' in the first half of a two-semester course may proceed to the second semester in that course. However, the first semester course must be repeated to satisfy the C grade requirement stated above. Under no circumstances may a student continue in a two-semester course when a grade of 'D-' or 'F' is incurred in the first semester.

RIGHT TO MODIFY

The information contained in this bulletin is considered to be descriptive in nature and not contractual. The University reserves the right to change any policy, requirement, or fee at any time during the time that students are enrolled. Courses are also subject to change.

DESCRIPTION OF DEPARTMENTS IN THE COLLEGE

The three departments housed in the College of Pharmacy and Health Sciences are described in detail on the pages that follow. They are described in the following order: Department of Pharmaceutical Sciences, Department of Pharmacy Practice, and Department of Health Sciences.