

DEPARTMENT OF PHARMACEUTICAL SCIENCES

The Department of Pharmaceutical and Environmental Health Sciences, along with the Department of Pharmacy Practice and Clinical Health Sciences, offers courses leading to the **Doctor of Pharmacy Degree**. The Doctor of Pharmacy (Pharm.D.) is a six-year program requiring a minimum of two years of study at the pre-professional (pre-pharmacy) level and four years of study at the professional level. Courses offered through this department include the following disciplines: biochemistry in human diseases, pharmaceuticals, pharmacokinetics, and integrated courses including pharmaceutical/medicinal chemistry, pathophysiology, and pharmacology.

The Department of Pharmaceutical and Environmental Health Sciences offers a B.S. in Biomedical Science and a B.S. in Environmental Health. The **Environmental Health Program** provides graduates with the technical and administrative skills to function in industry, governmental agencies, consulting firms, and academia. Graduates are qualified to enter the workforce in air and water quality control, solid and hazardous waste management, occupational health and industrial hygiene, environmental toxicology and risk assessment, epidemiology, and disease surveillance.

The **Biomedical Science Program** teaches fundamental biomedical science principles with a focus of understanding diseases and treatments. This major will provide students the opportunity to acquire the fundamentals for all health care and health care related professions with the aim of improving overall human health. Students may select a concentration in Pre-Pharmacy, Pharmaceutical Sciences, or Health Administration. Positions which may be available to these graduates include: pharmaceutical marketing, drug discovery, biomedical research, disease control, pharmaceutical scientists, medical writing, health educator, medicinal chemist, biotechnologist, etc.

Students should refer to program admission policies, comprehensive examination information, and other important information regarding the B.S. degree offered through this department within the College of Pharmacy and Health Sciences introductory section of this document.

The Department of Pharmaceutical and Environmental Health Sciences also offers courses leading to the Doctor of Philosophy (Ph.D.) degree and a contingent or default Master of Science (M.S.) degree in Pharmaceutical and Environmental Health Sciences. Students who are interested in pursuing a graduate degree in Pharmaceutical and Environmental Health Sciences should consult the Graduate School Bulletin of Texas Southern University for further information or visit the website (www.tsu.edu (<http://www.tsu.edu/>)).

Members of the faculty in the Department of Pharmaceutical and Environmental Health Sciences are housed in Gray Hall with the Department Office located in Gray Hall Room 124. The Department supports the primary mission of the College of Pharmacy and Health Sciences to produce quality health care professionals, particularly minorities who are competent in health care delivery including the provision of patient-centered care and other health care services and programs.

Since the Department offers courses leading to the entry-level Pharm.D. with the Department of Pharmacy Practice and Clinical Health Sciences (described in the next section), interested students should refer to the end of the next section for a summary of requirements for the entry-level

Pharm.D. degree and the sequence in which required courses should be taken. Courses offered through the Department of Pharmaceutical and Environmental Health Sciences are described below.

Students should refer to admission policies, formative, summative, comprehensive and other examination and important information regarding the completion of the entry-level Pharm.D. under the College of Pharmacy and Health Sciences Overview section of this document.

- Biomedical Science (Pharmaceutical Sciences Concentration), Bachelor of Science (<https://catalog.tsu.edu/undergraduate/schools-colleges/pharmacy-health-sciences/pharmaceutical-sciences/biomedical-science-pharmaceutical-sciences-concentration-bs/>)
- Biomedical Science (Pre-Pharmacy Concentration), Bachelor of Science (<https://catalog.tsu.edu/undergraduate/schools-colleges/pharmacy-health-sciences/pharmaceutical-sciences/biomedical-science-prepharmacy-concentration-bs/>)
- Biomedical Science (Pre-Pharmacy Concentration, Accelerated 3+4 PharmD), Bachelor of Science (<https://catalog.tsu.edu/undergraduate/schools-colleges/pharmacy-health-sciences/pharmaceutical-sciences/biomedical-science-pre-pharmacy-concentration-3-plus-4-pharmd/>)
- Biomedical Sciences (Health Administration Concentration), BS (<https://catalog.tsu.edu/undergraduate/schools-colleges/pharmacy-health-sciences/pharmaceutical-sciences/biomedical-science-health-administration-concentration-bs/>)
- Biomedical Sciences(No Concentration), Bachelor of Science (<https://catalog.tsu.edu/undergraduate/schools-colleges/pharmacy-health-sciences/pharmaceutical-sciences/biomedical-science-bs/>)