

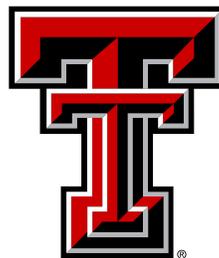


PRE-PROFESSIONAL HEALTH

AREAS OF STUDY

Pre-Clinical Laboratory Science
Pre-Dental
Pre-Medicine
Pre-Nursing
Pre-Occupational Therapy
Pre-Optometry
Pre-Pharmacy
Pre-Physical Therapy
Pre-Physician Assistant Studies
Pre-Speech, Language, & Hearing Sciences

Careers



From here, it's possible.

WELCOME

What an important time to be in the healthcare fields! According to the U.S. Bureau of Labor Statistics, healthcare occupations and industries are expected to have the fastest employment growth and add the most jobs between 2018 and 2028, with a projected 1.9 million new jobs generated during that time. These fields are expected to become the single largest employer in the United States, overtaking state and local government and the professional and business services.

Not only will there be plenty of job opportunities in the coming years, but many of the other key career decision-making factors support the pursuit of a health careers path. Those working in healthcare report high levels of excitement and variety, opportunities for advancement and increased pay, a sense of fulfillment and making a difference, and using their education and training on a day-to-day basis.

We here at Pre-Professional Health Careers want to help you successfully enter this exciting professional world. The most sought after jobs in these growing fields involve education beyond high school, many requiring education beyond a four-year college degree. We are here to explore these interesting possibilities with you, to connect you with the opportunities and resources to become a competitive and compelling applicant for the professional programs to which you may eventually apply, and to navigate with you through the responsibilities and challenges that come along the way.

If you aspire to become a healthcare professional, we are on your team! The dedicated advisors and staff at Texas Tech University are committed to partnering with you for your success. From here, it is possible!

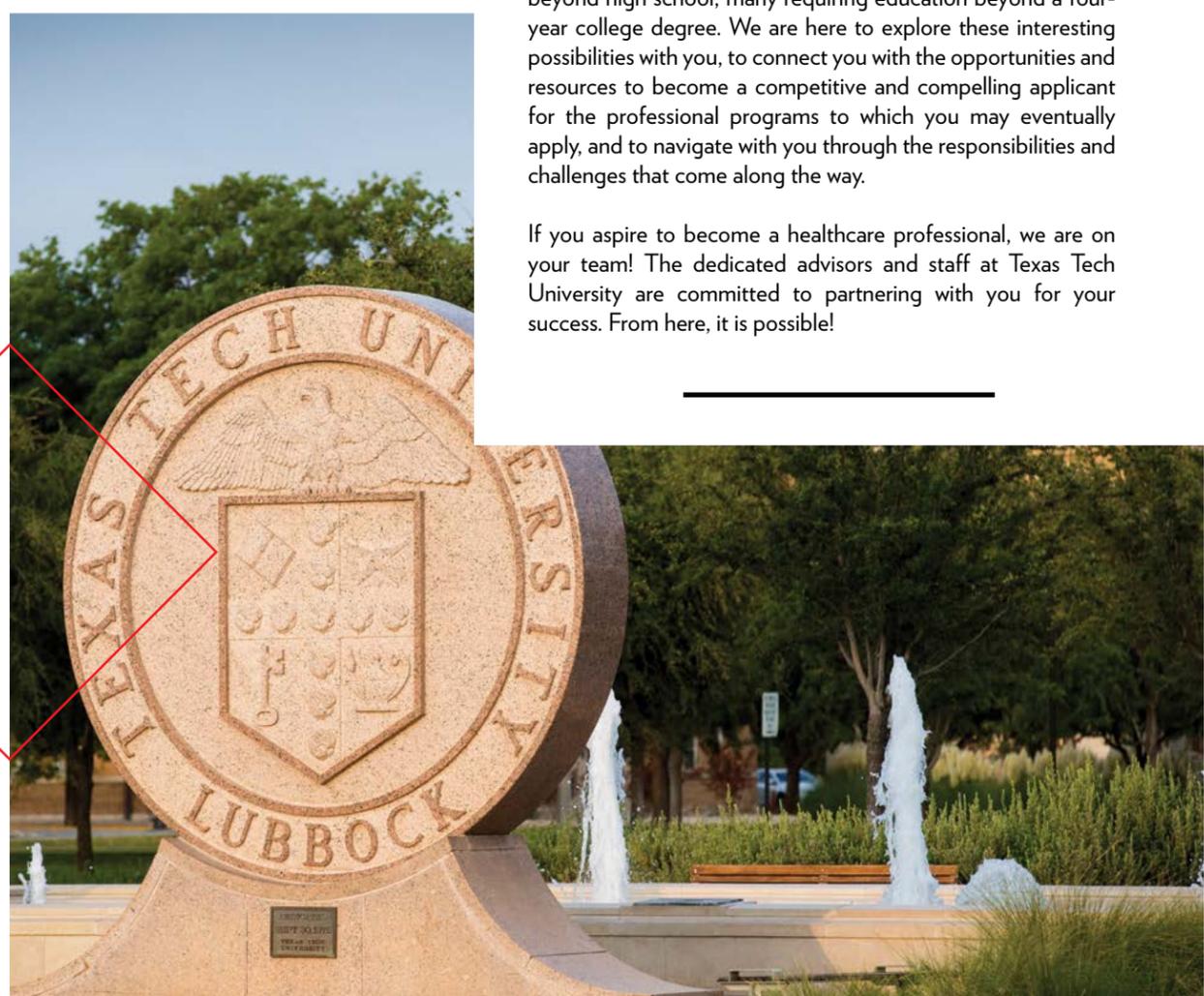
ELEMENTS OF COMPETITIVE & COMPELLING

When you ask most people what makes a competitive applicant, they usually say high GPA or exam scores are most essential. And while strong academic performance is certainly important, becoming a competitive and compelling applicant takes more than that. The health professions schools' and careers in health care fields have expectations made up from several competency areas.

Pre-Health students are continuously cultivating these competencies, whether they are in the classroom, volunteering in the community, getting involved on campus, or engaging with professionals in their chosen fields. As the elements at the top of the table, these four main goals directly inform most Pre-Health students' approaches to preparing to apply to their desired health professions programs.

But there isn't just one way to develop each of the competencies. In fact, most experiences along Pre-Health pathways develop students' proficiencies across multiple competencies. Being Pre-Health at Texas Tech University means you are always preparing for the next step on your journey to becoming a healthcare professional. The Elements of Competitive & Compelling are just one of the many available resources as you build a competitive and compelling profile and a successful health professions program application.

1 Ac Academic Performance				2 Ex Exam Performance
3 Ca Campus Involvement	4 Cs Community Service	5 Pe Professional Engagement		
6 Ae Academic Exploration	7 Ld Leadership	8 Cm Communication Skills	9 In Information Literacy	10 Cr Critical Thinking Skills
11 Pr Personal Responsibility	12 Ei Emotional Intelligence	13 Up Understanding of Passion	14 Ps Problem Solving	15 Ec Ethical Center



Texas Tech University is a public research university in Lubbock, Texas. From its inception in 1923, Texas Tech has long drawn students seeking a comprehensive, quality education to help realize their life goals. It is also a place steeped in tradition, where the sound of victory bells heralds community spirit as much as a Red Raider win. Known for its beautiful Spanish Renaissance architecture and endless blue sky, Texas Tech is one of the nation's most inviting universities.

Even with nearly 250,000 residents, Lubbock is a true college town with everything you want, need, and expect. Located in the heart of the vast South Plains of West Texas, it is also a major medical center for an area within a 300-mile radius of Lubbock and a major regional center for business and industry. The climate is excellent, with plenty of sunshine and an average annual rainfall of 18 inches. Winters are dry and moderate, while the summer heat is tempered by the low humidity.

As one of the only institutions in the state with a law school, graduate school, and medical school at the same location as the main campus, the transition to professional studies is that much easier. With nearly 150 academic programs in ten colleges, including the Honors College, you'll have many unique learning options that will allow you to create your own challenging-yet-rewarding experience. Texas Tech undergraduates include Goldwater, Gates Cambridge, and Truman Scholars, joining notable faculty in a rich environment for success.

The Texas Tech University Health Sciences Center (TTUHSC) is dedicated to education, patient care, and research and has made an impact on the health of West Texas and beyond over the past half century. To date, the HSC has trained more than 10,000 health care professionals, meeting the health care needs of more than 2.5 million people living throughout a vast 108-county area stretching from the Texas Panhandle south to the Permian Basin and west into Eastern New Mexico.

The TTUHSC has established itself as a leader in education and patient care and is building a top-ranked research environment with significant studies under way in areas such as aging, cancer, reproduction, genetic diseases and rural health. In addition, its location adjacent to Texas Tech University provides a unique opportunity for advancement of knowledge through scientific collaborations.

Beginning in 1969 as Texas Tech University School of Medicine, today's TTUHSC is a seven-school university located in Abilene, Amarillo, Dallas/Fort Worth, El Paso, Lubbock, Midland and Odessa. The TTUHSC has become known as an institution that advances knowledge for students and practicing health care professionals through educational opportunities and research while providing quality patient care and service.



PPHC stands with you, with one foot in the world of your undergraduate preparatory education at the Texas Tech University (TTU) main campus and the other foot on the doorstep of successful entry to the professional programs and schools like those at the Texas Tech University Health Sciences Center (TTUHSC). We understand that students often choose TTU because of the fantastic health professions options at the TTUHSC. Although the TTUHSC is a part of the Texas Tech University System, legally it is a separate institution from TTU, and application for admission to its programs must therefore be made separately to the TTUHSC once a student is eligible.

The team at PPHC supports students as they identify and prepare to apply to health professions programs wherever they may be, including the TTUHSC. It is distinctly to your advantage to complete your preparatory education at a university that has a strong partnership with an excellent health sciences center and that is exactly what TTU has with the TTUHSC. The admissions requirements and information presented in this guidebook, unless otherwise indicated, are for TTUHSC programs. Information on other programs and other institutions is available at www.pphc.ttu.edu.



WHAT IT MEANS TO BE “PRE”

It's not uncommon for there to be some confusion about being “Pre,” so let's try to clear that up a little, shall we?

The pre-health designations presented in this guidebook aren't degree-granting majors. You can't get a degree in “Pre,” but you can be Pre until you decide on your degree. And while our ten pre-health designations are available to choose when applying to Texas Tech, you don't have to choose one if you already know which major you want to declare.

Students sometimes think they have to declare a pre-health designation if they intend to eventually apply to a health professions program. That is not the case. You can apply to those programs from any academic major. Or, you might think you can't meet with a Pre-Professional Health Careers advisor if you aren't officially declared in a pre-health designation. That also isn't true. PPHC advisors are here to work with any student who intends to pursue a healthcare career path, regardless of academic major or designation.

The answer to if you should choose “Pre” or not really depends on how certain you are about two things:
1) your academic major and 2) your career choice.

UNCERTAIN ABOUT MAJOR	Select the corresponding pre-health designation and PPHC will be your Primary Advising Office until you choose your major	Coming in as an undeclared (or eXplore) student is a great option. PPHC will be here to help with the academic and career options as questions arise in your exploration process
CERTAIN ABOUT MAJOR	Declare your degree-granting major and PPHC is your Secondary, Support Advising Office	Declare your degree-granting major and PPHC is here to answer your questions as you look into your career options

CERTAIN ABOUT CAREER

UNCERTAIN ABOUT CAREER

Now, we're not going to define “certainty” for you, but if you are unsure and would like more time to explore, investigate, and confirm before you choose something, that's completely fine. We're here to help wherever you may find yourself in this process.

To recap: If you are certain about your major, if you know what you want to get your 4-year, bachelor's degree in, then declare it. You'll always have a pre-health advisor as long as you are plan on applying to a health professions program. We won't be your primary advisor once you've declared a major, but we'll always be on your team! If you know you want to pursue a career in a health professions field but aren't sure what degree-granting major you would choose, then select the pre-health designation that fits you best. And if you're not entirely sure about either major or career, then being Undeclared is the right place to start investigating your options.

WHICH MAJOR SHOULD I CHOOSE?

There isn't one “right” major for students interested in health professions careers. While there are certainly traditional majors that many health professions program applicants will come from, health profession programs make admissions decisions based on qualifications, not majors. The best major for a pre-health student is the one that gives them the best chance to build a competitive and compelling application.

That said, pre-health students often choose one of the following degree-granting majors to complete as they prepare to apply to their health professions programs of interest:

In the College of Arts & Sciences

- Biological Sciences
- Chemistry & Biochemistry
- Kinesiology
- Psychology
- General Studies

In the College of Human Sciences

- Community, Family, & Addiction Sciences
- Human Development & Family Studies
- Nutrition
- Human Sciences

Again, as a pre-health student, you can choose from the more than 150 academic programs in any of Texas Tech's ten colleges. And remember: Your PPHC advisors are always here to help you sort through all of these exciting opportunities if you aren't sure!

WHY DO PEOPLE CHOOSE “PRE” INSTEAD OF DECLARING A MAJOR?

1. Some students will pursue entry to a health professions program that does not require completion of a four-year, college degree prior to being admitted. These are usually our “2+2” designations, Pre-Nursing; Pre-Speech, Language, & Hearing Sciences; or Pre-Clinical Laboratory Sciences. For students in these designations, it is possible to complete the necessary prerequisite coursework in just four semesters (or 2 years) and be admitted to the corresponding health professions program to complete their bachelor's degree there (usually in another 2 years, thus “2+2”).

2. Some students know which health professions program they eventually want to be accepted into (for example, Medical School or Pharmacy School), but they aren't 100% certain about which degree-granting major they want to complete along the way. Texas Tech University provides pre-health designations so those students will have an academic home, a dedicated academic advisor, and full support as they work through the process of deciding on which major is right for them.

DO I HAVE TO DECLARE A MAJOR?

Eventually, you either have to 1) declare a degree-granting major or 2) be admitted to a health professions program.

Most “2+2” students are successfully admitted to a health professions program before they are required to declare a degree-granting major. However, if a student is not admitted to a health professions program by the end of the semester after they complete 30 semester credit hours, they are strongly encouraged to identify a degree-granting major. Nearly all other students in the remaining pre-health disciplines end up declaring a degree-granting major at some point. If you aren't sure which one to declare, you can be “Pre” until you decide.

Please Note: State of Texas law (Senate Bill 25) requires that students file a degree plan by the end of the semester immediately after completing 30 credit hours. However, the earlier a student formalizes their plans and begins their relationship with a degree-granting major department, its faculty, students, and advisors, the better. If a student should remain in a pre-health designation past one full semester after reaching 30 credit hours, a registration and transcript hold will be placed on their account and it will not be moved or removed until the student declares into a degree-granting major.

Again, as a pre-health student, you can choose from the more than 150 academic programs in any of Texas Tech's ten colleges. And remember: Your PPHC advisors are here to help you sort through all of these exciting opportunities if you aren't sure!



HOW PPHC HELPS

ACADEMIC ADVISING:

We will be your primary academic advisors until you declare a degree-granting major. And after you declare? We're still on your team! Your PPHC advisor becomes your secondary advisor, supporting you as you continue with your health professions goals. We are always here to talk about prerequisite classes, academic options, and more!

MAKE CONNECTIONS:

We can connect you with opportunities and resources in the Texas Tech and Lubbock communities to help you become a more competitive applicant.

STUDENT ORGANIZATIONS:

We support a variety of affiliated health professions related student organizations. All students are encouraged to become involved outside of the classroom to enhance their connection and experience as a Red Raider and begin building a competitive applicant profile.

EXPLORING PARALLEL PLANS:

We can provide you with materials about different areas of health professions and guide you through the process of discovering your full range of options.

MENTOR PROGRAM:

Each Spring semester, pre-health students have an opportunity to spend time with current TTUHSC students to get a better insight into their application and class experiences.

HEALTH PROFESSIONS SCHOOL FAIR:

Every Spring semester, PPHC organizes the Health Professions School Fair, an event where TTU students can meet with representatives of and gather information from dozens of professional schools in all 10 of our pre-health areas of interest.

THE PULSE:

The Pulse is an informational Blackboard course for all pre-health students. Students will receive updates on events, new pre-health opportunities, and changes to programs.



PRE-HEALTH SUPPORT COURSES:

RRP 1100: Raider Ready is a highly interactive, small enrollment, one hour per week Freshman Seminar course focused on developing and augmenting all of the skills necessary to make a successful transition to Texas Tech and take a strong first step on your way to a career in the health professions. Special PPHC sections are available each semester.

INTS 3110: Health Careers Seminar is a one-credit hour course where faculty from 12 HSC programs and working healthcare professionals discuss the variety of health career pathways and current, critical issues in their fields.

ADMISSIONS ADVISING:

Finally, as you approach that all-important application process, we're here to guide you through submitting a compelling and complete application.

WHAT TO DO WHEN

CONSIDERING A CAREER IN HEALTHCARE

1. Research Your Career of Interest

- Browse the internet.
- Research at your library.
- Contact your Area Health Education Center (AHEC).
- Ask your counselors or teachers about the career.

2. Talk to a Professional Who Works in the Career of Interest

- What is an average day like in their profession?
- What is the most enjoyable part of their job?
- What other health professionals do they work with?
- What type of education is required for their profession?
- What are the advantages and disadvantages of their job?

3. Get Experience Working in a Health Care Setting

- Volunteer at a hospital or health clinic.
- Mentor with someone in your career interest.
- Learn basic skills such as CPR and First Aid.

4. Take Related Classes While in High School

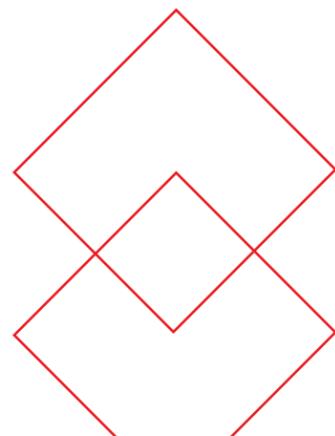
- Biology, Chemistry, Physics, Anatomy and Physiology
- Health Care Science/Health Occupations Classes
- Algebra, Trigonometry, Pre-Calculus/ Calculus
- Spanish

For More Information Contact

West Texas Area Health Education Center
3601 4th St, Mail Stop 7150
Lubbock, Texas 79430
Phone: (806) 743-3644
www.westtexasahec.org

Other resources when trying to find out more about the health career of choice:

- ExploreHealthCareers.org
- TexasHOTJobs.org



CAMPUS RESOURCES



TUTORING

A variety of tutoring options in many different areas are available on campus for pre-health students:

1. The Learning Center

Drane Hall, Room 164
(806) 742-3664

Free peer tutoring available on a walk-in basis in Math, Chemistry, Physics, Biology, Zoology and other subjects. Individual academic planning, support, and coaching. Peer academic coaching that provides students with skills in test taking, time management, etc. Online tutoring also available in certain subjects.

2. Math Tutoring & Study Center

Math Building, Room 106
(806) 742-2566

Free group and individual tutoring for any Math course.

3. University Writing Center

English/Philosophy Building, Room 175
(806) 742-2476

Free writing tutoring, constructive feedback, and instruction for the writing process, available both onsite and online

4. TECHniques Center

West Hall, Room 242
(806) 742-1822

A fee-for-service program of Student Disability Services, it is the only tutoring program of its kind in Texas, providing supplemental academic support services for students with documented learning disabilities and disorders.



SUPPLEMENTAL INSTRUCTION (SI)

Free, peer-led review sessions for historically difficult courses. SI Leaders, peers who have demonstrated academic competency in the course, prepare weekly review sessions by attending lecture, taking notes, and meeting with the course instructor. Sessions offer guaranteed study time and additional support outside of the classroom. Students who attend SI sessions on a regular basis earn half to a whole letter grade higher than students who do not attend SI sessions.

ACADEMIC TESTING SERVICES

214 West Hall
(806) 742-3671

Provides a wide range of standardized exams that meet specific requirement needs for undergraduate, graduate and professional career path programs.

UNIVERSITY CAREER SERVICES

150 Wiggins Complex
(806) 742-2210

Assists students in career development and offers a variety of online assessments. The University Career Services also offers assistance with personal statements, essays, and resume writing, as well as conducting mock interviews.

UNIVERSITY STUDENT HOUSING HEALTH SCIENCE LEARNING COMMUNITY

The Health Sciences Learning Community in Stangel Hall provides a unique experience for students pursuing studies and careers in professional health fields and related majors to live together in an environment supporting their academic, personal, and professional success.

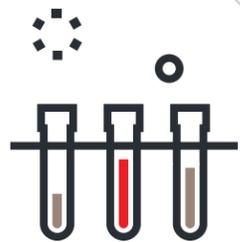
STUDY ABROAD

Healthcare professionals interact with people from many different cultural backgrounds. Studying abroad is a great way to gain experience with and knowledge of other cultures that provides a great foundation for empathy and understanding of your future clients and patients.

EXPLORE

eXplore is a program that actively assists exploring/deciding students in the process of choosing their best-fit college major. eXplore is different from other programs because it teaches students how to use resources analytically, critically and strategically to graduate in a timely manner.





PRE-CLINICAL LABORATORY SCIENCE

Being Pre-Clinical Laboratory Science at Texas Tech University means following a challenging curriculum while developing a competitive and compelling applicant profile for an undergraduate Clinical Laboratory Science program, or medical school admissions, and there are many ways to do this. Pre-Clinical Laboratory Science is considered a designation at Texas Tech; it is not a degree-granting major (please see pages 6 and 7 for more information).

It is the responsibility of the student to ensure they are following the most recent and accurate requirements for any program they intend to apply to, including exams, prerequisite coursework, shadowing and volunteering requirements (including documentation if necessary), or any other expectations an admissions board might require for application. PPHC recommends that students regularly check with the programs to which they plan to apply, as prerequisites and application procedures can change.

The TTUHSC School of Health Professions Clinical Laboratory Sciences program is a university based 2+2 program, offering students a Baccalaureate Degree in Clinical Laboratory Science within one of the three optional areas of special emphasis. The Standard option prepares a student for a career primarily in a clinical setting such as a hospital, physician's office, laboratory or a reference laboratory. The Pre-Medicine option is for students pursuing a graduate medical education through medical school, osteopathic school, veterinary school, or research graduate programs. The Pre-Physician Assistant option is for students pursuing a graduate education in Physician Assistant studies. Pre-Medicine and Pre-Physician Assistant options may require additional prerequisite courses.

Clinical Laboratory Science professionals are highly skilled scientists who discover the presence of disease and provide data that help physicians determine the best treatment for the patient. Laboratory technologists and technicians play a crucial role in the process of providing personalized care. They generate vitally important data for identifying and treating cancer, heart disease, diabetes and many other health conditions. Clinical Laboratory Science professionals examine and analyze body fluids, tissues, and cells to identify bacteria, parasites, and other microorganisms. They analyze the chemical constituents of body fluids, crossmatch donor blood for transfusions, and test blood for drug levels to measure the efficacy of particular treatments. They also evaluate test results for accuracy and help interpret them for the physician. Every day, new advances in medical and scientific technology are creating more challenges and job opportunities Clinical Laboratory Science professionals, creating a great demand for Clinical Laboratory Science professionals.

TTUHSC BACHELOR OF SCIENCE IN CLINICAL LABORATORY SCIENCE REQUIRES THE FOLLOWING COURSES:

COURSE NAME	TEXAS TECH COURSE NUMBER(S)
General Chemistry I and Lab	CHEM 1307/1107
General Chemistry II and Lab	CHEM 1308/1108
Organic Chemistry	CHEM 2303/2103 or CHEM 3305/3105
Biology I and Lab or Anatomy and Physiology I and Lab*	BIOL 1403 or ZOO 2403
Biology II and Lab or Anatomy and Physiology II and Lab*	BIOL 1404 or ZOO 2404
Genetics or Biology**	BIOL 3416 or BIOL 1402
Principles of Microbiology (recommended) or Microbiology	MBIO 3401 (R) or MBIO 3400
College Algebra (or higher)	MATH 1320 (or higher)
English I	ENGL 1301
English II	ENGL 1302
US History to 1877	HIST 2300
US History Since 1877	HIST 2301
American Government	POLS 1301
Texas Government and Topics	POLS 2306
Language, Philosophy, and Culture (3 Hours)	Texas Core approved course
Creative Arts (3 Hours)	Texas Core approved course
Social and Behavioral Science (6 Hours)	PSY 1300 and SOC 1301 are recommended, or another Texas Core approved course

*BIOL 1403 & 1404 can be taken in place of ZOO 2403 & 2404.

**If BIOL 1403 & 1404 are taken, BIOL 3416 can be taken instead of BIOL 1402.

Note: Pre-Med and Pre-PA tracks will have different prerequisite courses. It is the responsibility of the student to ensure they are following the most recent and accurate requirements for any program they intend to apply.

RECOMMENDED SOCIAL OR BEHAVIORAL SCIENCES COURSES

include courses in the Anthropology, Human Development and Family Studies, Psychology, and/or Sociology fields.

STUDENT ORGANIZATIONS

- Double T Health Service Corps
- Health Occupations Students of America (HOSA)



PRE-DENTAL

Being Pre-Dental at Texas Tech University means following a challenging curriculum while developing a competitive and compelling applicant profile for dental school admissions. Pre-Dental is considered a designation at Texas Tech University; it is not a degree-granting major (please see pages 6 and 7 for more information). Pre-Dental students have the option to choose any degree-granting major as long as they also complete the courses required to enter dental school.

It is the responsibility of the student to ensure they are following the most recent and accurate requirements for any program they intend to apply to, including exams, prerequisite coursework, shadowing and volunteering requirements (including documentation if necessary), or any other expectations an admissions board might require for application. PPHC recommends that students regularly check with the programs to which they plan to apply, as prerequisites and application procedures can change.

Students will pursue a DMD or DDS in a dental school for 4 years for general dentistry. Approximately 80% of all dentists are general dentists. Additional experience, training or education beyond a DMD or DDS allows general dentists to further specialize in the following fields: endodontics, orthodontics, pediatric dentistry, periodontics, prosthodontics, dental public health, and oral and maxillofacial pathology, radiology, and surgery.

Dentistry is the branch of the healing arts and sciences devoted to maintaining oral health. Dentists enjoy excellent compensation and the high demand for dental care is likely to continue in the future. Dentists are trained to treat all patients, adults and children, in many different treatment facilities and settings. In doing so, a general dentist may:

- Restore and replace teeth damaged by decay, lost from trauma or disease with newly developed dental materials, implants, and crown and bridge techniques.
- Perform corrective surgery on gums and supporting bones to treat gum disease.
- Eliminate pain arising from oral diseases, conditions and trauma, making use of prescriptive medicines to reduce pain and discomfort.
- Correct mal-positioned teeth to improve chewing, speech, digestion of food and appearance.
- Provide instruction and advice on oral health care and preventive measures.

MOST DENTAL SCHOOLS REQUIRE THE FOLLOWING COURSES:

COURSE NAME	TEXAS TECH COURSE NUMBER(S)
General Chemistry I and Lab	CHEM 1307/1107
General Chemistry II and Lab	CHEM 1308/1108
Organic Chemistry I and Lab	CHEM 3305/3105
Organic Chemistry II and Lab	CHEM 3306/3106
Molecular Biochemistry	CHEM 3310
Biology I and Lab	BIOL 1403
Biology II and Lab	BIOL 1404
6 hours of advanced biological sciences*	
Physics I and Lab	PHYS 1403
Physics II and Lab	PHYS 1404
English I	ENGL 1301
English II	ENGL 1302
Statistical Methods	MATH 2300

*Each dental school has specific recommendations for advanced biology. PPHC provides an application letter packet opportunity for qualifying dental school applicants via its Letters of Evaluation (LoE) program. Students are encouraged to confirm with the schools they are applying to for further specifics or preferred coursework.

DENTAL SCHOOL ENTRY REQUIREMENTS:

A minimum of 90 undergraduate semester hours completed at an accredited U.S. or Canadian college or university before the anticipated date of enrollment. All candidates are required to take the Dental Admission Test (DAT).

RELATED RESOURCES:

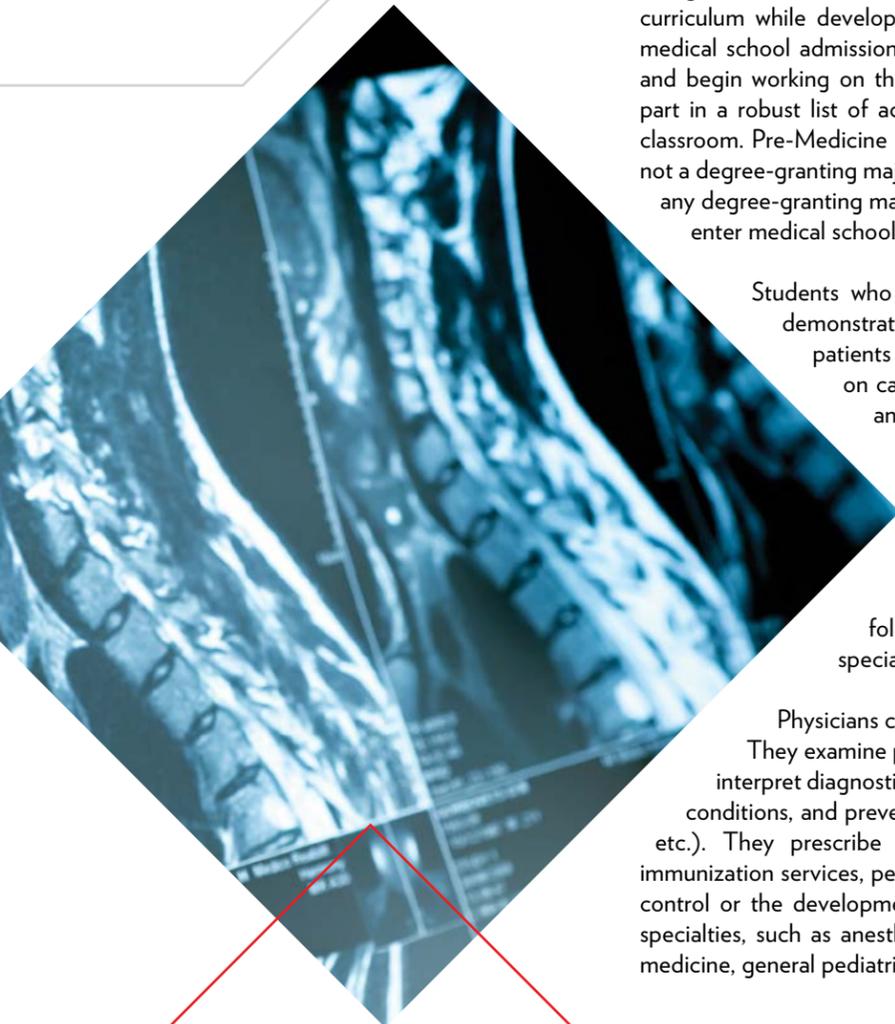
- Texas Medical & Dental Schools Application Service (TMDSAS)
- Associated American Dental Schools Application Service (AADSAS)
- American Dental Association (Dental Admission Test)

STUDENT ORGANIZATION SPOTLIGHT:

- Medical and Dental Global Brigades
- Multicultural Pre-Dental Association
- Pre-Dental Society



PRE-MEDICINE



Being Pre-Medicine at Texas Tech University means following a challenging curriculum while developing a competitive and compelling applicant profile for medical school admission. Students will typically enter their undergraduate years and begin working on the curriculum listed on the next page, along with taking part in a robust list of activities that will highlight their involvement outside the classroom. Pre-Medicine is considered a designation at Texas Tech University; it is not a degree-granting major. Students on the Pre-Medicine path are free to choose any degree-granting major, as long as they also complete the courses required to enter medical school.

Students who are accepted into medical school have a profile that demonstrates an inquisitive nature and interest in working to heal patients – as evidenced by their community service, involvement on campus, commitment to engaging the medical profession, and an ability to meet high academic standards. Once in medical school, students spend four years in a curriculum designed to teach anatomy, physiology, and histology of the body, then progress into deeper scientific coursework. This is followed by clinical rotations where medical students learn how to interact with patients. The four years of medical school are typically followed by a residency program in a student's future specialization, a period that typically take two to seven years.

Physicians care for healthy people and for those who are ill or injured. They examine patients, obtain medical histories, and order, perform, and interpret diagnostic tests. They counsel patients about illness, injuries, health conditions, and preventive healthcare (i.e. diet and fitness, smoking cessation, etc.). They prescribe and administer medications and treatments, provide immunization services, perform procedures, and conduct research to aid in disease control or the development of new treatments. Physicians work in one or more specialties, such as anesthesiology, family and general medicine, general internal medicine, general pediatrics, obstetrics and gynecology, psychiatry, and surgery.

MOST MEDICAL SCHOOLS REQUIRE THE FOLLOWING COURSES:

COURSE NAME	TEXAS TECH COURSE NUMBER(S)
General Chemistry I and Lab	CHEM 1307/1107
General Chemistry II and Lab	CHEM 1308/1108
Organic Chemistry I and Lab	CHEM 3305/3105
Organic Chemistry II and Lab	CHEM 3306/3106
Molecular Biochemistry	CHEM 3310
Biology I and Lab	BIOL 1403
Biology II and Lab	BIOL 1404
6 Hours of Advanced Biological Sciences	
Physics I and Lab	PHYS 1403
Physics II and Lab	PHYS 1404
English I	ENGL 1301
English II	ENGL 1302
Statistical Methods	MATH 2300

MEDICAL SCHOOL ENTRY REQUIREMENTS:

Most medical schools require a minimum of three years of study (90 semester hours) completed at an accredited U.S. or Canadian college or university before anticipated date of enrollment. However, the completion of an undergraduate degree is the norm. Students applying without an undergraduate degree are likely to be accepted only if they have academic records superior to those of students accepted with a baccalaureate degree. They also must exhibit definite evidence of experience and maturity. Most medical schools require candidates to take the Medical College Admissions Test (MCAT).

It is the responsibility of the student to ensure they are following the most recent and accurate requirements for any program they intend to apply to, including exams, prerequisite coursework, shadowing and volunteering requirements (including documentation if necessary), or any other expectations an admissions board might require for application. PPHC recommends that students regularly check with the programs to which they plan to apply, as prerequisites and application procedures can change. PPHC provides an application letter packet opportunity for qualifying medical school applicants via its Letters of Evaluation (LoE) program.

Special Pre-Medicine admissions programs offered at Texas Tech University in collaboration with the TTUHSC School of Medicine:

- Undergraduate to Medical School Initiative (UMSI)
- Joint Admission Medical Program (JAMP)
- Honors College Early Acceptance Program

STUDENT ORGANIZATION SPOTLIGHT:

- Alpha Epsilon Delta Honor Society (AED)
- American Medical Student Association (AMSA)
- American Medical Women's Association (AMWA)
- Dr. Bernard Harris Pre-Medical Society
- Medical and Dental Global Brigades
- Multicultural Association of Pre-Medical Students (MAPS)

RELATED RESOURCES:

- Texas Medical & Dental Schools Application Service (TMDSAS)
- The American Medical College Application Service (AMCAS)
- The American Association of Colleges of Osteopathic Medicine Application Service (AACOMAS)
- AAMC Resources for Future Physicians
- AspiringDocs.org
- Summer Health Professions Education Program (www.shpep.org)



PRE-NURSING

Being Pre-Nursing at Texas Tech University means following a challenging curriculum while developing a competitive and compelling applicant profile for nursing school admission. Students will typically enter their undergraduate years and begin working on the curriculum listed on the next page, along with taking part in a robust list of activities that will highlight their involvement outside the classroom. Pre-Nursing is considered a designation at Texas Tech University; it is not a degree-granting major. Students on the Pre-Nursing path are free to choose any degree-granting major, as long as they also complete the courses required to enter nursing school, but are not necessarily required to do so.

Nurses promote health, prevent disease, and help patients cope with illness. They have a unique scope of practice and can practice independently, although they also collaborate with all members of the healthcare team. Nurses serve as advocates for patients, families, and communities. They develop and manage nursing care plans and instruct patients and their families in proper care. There are many entry and exit points in nursing. The majority of nurses work in hospital settings, however growing numbers work in home health, long-term care, industry and business, legal, and consulting roles. There are numerous specialty options: critical-care, emergency, hospice, labor and delivery staff, etc.

It is the responsibility of the student to ensure they are following the most recent and accurate requirements for any program they intend to apply to, including exams, prerequisite coursework, shadowing and volunteering requirements (including documentation if necessary), or any other expectations an admissions board might require for application. PPHC recommends that students regularly check with the programs to which they plan to apply, as prerequisites and application procedures can change.



TTUHSC SCHOOL OF NURSING TRADITIONAL BSN REQUIRED COURSES:

COURSE NAME	TEXAS TECH COURSE NUMBER(S)
Chemistry I and Lab	CHEM 1305/1105 or 1307/1107
Human Anatomy & Physiology I and Lab	ZOOL 2403
Human Anatomy & Physiology II and Lab	ZOOL 2404
Pathophysiology	ZOOL 3303
Microbiology	MBIO 3400
Introduction to Nursing as a Profession	HUSC 3221
Communication in Nursing	COMS 2320
Science of Nutrition	NS 1325 or 1410
General Psychology	PSY 1300
Life Span Human Development	HDFS 2303 or PSY 4301
English I	ENGL 1301
English II	ENGL 1302
Statistical Methods	MATH 2300
US History to 1877	HIST 2300
US History since 1877	HIST 2301
American Government	POLS 1301
Texas Government	POLS 2306
Language, Philosophy, and Culture (3 hrs)	Texas core approved course
Creative Arts (3 hrs)	Texas core approved course

STUDENT ORGANIZATIONS

- Pre-Nursing Association
- Approved Texas CNA Programs tinyurl.com/TXcna

REQUIREMENTS FOR ADMISSION CONSIDERATION AT THE TTUHSC SCHOOL OF NURSING ARE AS FOLLOWS:

- Minimum cumulative GPA of 3.0. All grades earned at all schools attended are calculated. Chemistry, Anatomy and Physiology, Microbiology, and Pathophysiology must have a combined minimum GPA of 2.75.
- All prerequisite courses must be completed with a grade of C or better. Preference is given to applicants without dropped and/or repeated courses.
- At time of application submission, applicants must have completed and/or have enrollment verification to support completion of all prerequisite courses. 45 of the prerequisite 60 credit hours, including completion of at least four of the five science courses: Chemistry, Human Anatomy, Human Physiology, Microbiology, and Pathophysiology. Pathophysiology must be completed to be eligible to apply.

• EFFECTIVE FALL 2021 - CNA Required: Students must be certified as a CNA prior to their first day at the TTUHSC School of Nursing. Preference will be given to applicants certified at application, along with proof of work experience as a CNA. Case by case reviews for applicants with other direct patient care/healthcare experiences will be provided.



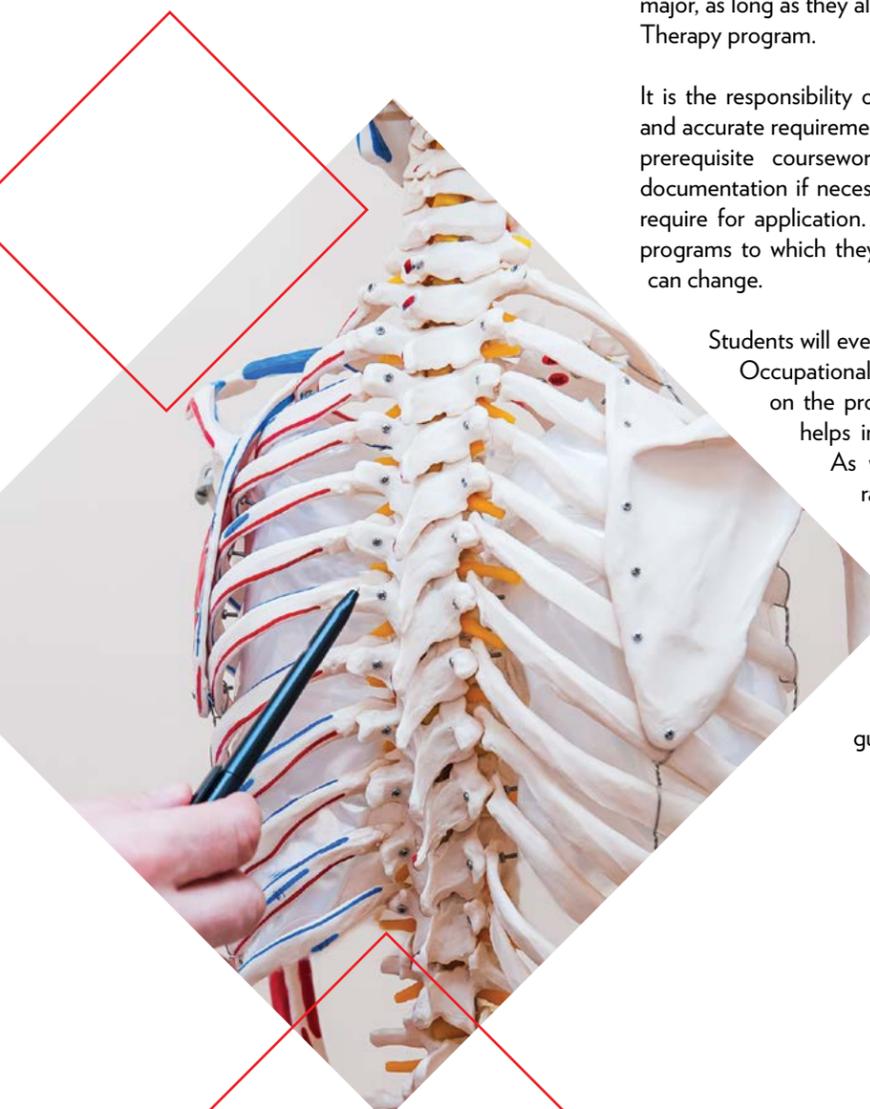
PRE-OCCUPATIONAL THERAPY

Being Pre-Occupational Therapy at Texas Tech University means following a challenging curriculum while developing a competitive and compelling applicant profile for Occupational Therapy program admissions. Pre-Occupational Therapy is considered a designation at Texas Tech University; it is not a degree-granting major. Pre-Occupational Therapy students have the option to choose any degree-granting major, as long as they also complete the courses required to enter their Occupational Therapy program.

It is the responsibility of the student to ensure they are following the most recent and accurate requirements for any program they intend to apply to, including exams, prerequisite coursework, shadowing and volunteering requirements (including documentation if necessary), or any other expectations an admissions board might require for application. PPHC recommends that students regularly check with the programs to which they plan to apply, as prerequisites and application procedures can change.

Students will eventually pursue either a Master's degree or Doctoral degree in Occupational Therapy for up to two and a half years or longer, depending on the program. Occupational therapists are skilled in treatment that helps individuals achieve independence in all facets of their lives.

As well as, assist clients in performing activities of all types, ranging from using a computer to caring for daily needs such as dressing, cooking, eating, and driving. Occupational therapist's services typically include: customized treatment programs to improve one's ability to perform daily activities, comprehensive home and job site evaluations with adaptation recommendations, performance skills assessments and treatment, adaptive equipment recommendations and usage training, and guidance to family members and caregivers.



MOST OCCUPATIONAL THERAPY SCHOOLS REQUIRE THE FOLLOWING COURSES:

COURSE NAME	TEXAS TECH COURSE NUMBER(S)
Human Anatomy and Physiology I	ZOOL 2403
Human Anatomy and Physiology II	ZOOL 2404
Physics or Biomechanics	PHYS 1403 or KIN 4301
Developmental Psychology	HDFS 2303 or PSY 4301
Abnormal Psychology	PSY 4305
Statistical Methods	MATH 2300

Students are encouraged to confirm with the schools they are applying to for further specifics or preferred coursework.

OTHER REQUIREMENTS:

A Bachelor's Degree is required for entry to the TTUHSC Occupational Therapy Program.

A minimum cumulative GPA of a 3.0 on a 4.0 scale as well as a minimum science prerequisite GPA of 3.0 on a 4.0 scale is required.

Candidates for the TTUHSC Occupational Therapy program are not required to take the Graduate Record Examination (GRE), but may be required to if applying to other programs.

Applicants are expected to have knowledge of the occupational therapy profession. This may be acquired in several ways: volunteer work, paid employment, and/or observation in occupational therapy settings. It is in the best interest of the applicant to complete these hours (a minimum of 40 hours is recommended) in a variety of different settings prior to applying.

Two letters of recommendation are required. One must be from an Occupational Therapist who has observed applicant through volunteer or paid work experience. The other letter can be from a previous or present instructor, academic counselor, or previous or present employer.

Receiving a CPR certification is highly recommended.

SPECIAL ADMISSIONS PROGRAM:

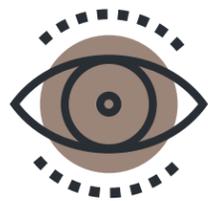
- TTUHSC School of Health Professions/TTU Honors College Early Admission Decision Initiative

RELATED RESOURCES:

- Texas Occupational Therapy Association (TOTA)
- The American Occupational Therapy Association (AOTA)
- Centralized Application Service for Occupational Therapy Programs (OTCAS)

STUDENT ORGANIZATION SPOTLIGHT:

- Pre-Occupational Therapy Club



PRE-OPTOMETRY



Being Pre-Optometry at Texas Tech University means following a challenging curriculum while developing a competitive and compelling applicant profile for dental school admissions. Pre-Optometry is considered a designation at Texas Tech University; it is not a degree-granting major. Pre-Optometry students have the option to choose any degree-granting major as long as they also complete the courses required to enter optometry school.

It is the responsibility of the student to ensure they are following the most recent and accurate requirements for any program they intend to apply to, including exams, prerequisite coursework, shadowing and volunteering requirements (including documentation if necessary), or any other expectations an admissions board might require for application. PPHC recommends that students regularly check with the programs to which they plan to apply, as prerequisites and application procedures can change.

Students will pursue an OD degree (Doctor of Optometry) in an optometry school for 4 years. Doctors of Optometry are the primary health care professionals for the eye. Optometrists examine, diagnose, treat, and manage diseases, injuries, and disorders of the visual system, the eye, and associated structures. They also identify related systemic conditions affecting the eye. Optometrists diagnose and treat, prescribe medications, perform certain surgical procedures, provide vision therapy and low vision rehabilitation, and assist patients with spectacle and contact lenses. They counsel patients regarding surgical and non-surgical options to meet their visual needs, and in cases involving surgery they provide both pre-operative and post-operative consultation and care.

UNIVERSITY OF HOUSTON COLLEGE OF OPTOMETRY REQUIRES THE FOLLOWING COURSES:

COURSE NAME	TEXAS TECH COURSE NUMBER(S)
General Chemistry I and Lab	CHEM 1307/1107
General Chemistry II and Lab	CHEM 1308/1108
Organic Chemistry I and Lab	CHEM 3305/3105
Molecular Biochemistry	CHEM 3310
Biology I and Lab	BIOL 1403
Biology II and Lab	BIOL 1404
Microbiology and LAB	MBIO 3401
Physics I and Lab	PHYS 1403
Physics II and Lab	PHYS 1404
Calculus	MATH 1451
Statistical Methods	MATH 2300
Psychology	PSY 1300
8 Semester Hours of Upper Division Biology-Human Related Lecture and Lab	ZOOL 3405 & ZOOL 4409 recommended

UNIVERSITY OF THE INCARNATE WORD ROSENBERG SCHOOL OF OPTOMETRY REQUIRES THE FOLLOWING COURSES:

COURSE NAME	TEXAS TECH COURSE NUMBER(S)
General Chemistry I and Lab	CHEM 1307/1107
General Chemistry II and Lab	CHEM 1308/1108
Organic Chemistry I and Lab	CHEM 3305/3105
Molecular Biochemistry	CHEM 3310
Biology I and Lab	BIOL 1403
Biology II and Lab	BIOL 1404
Microbiology and Lab	MBIO 3401
Physics I and Lab	PHYS 1403
Physics II and Lab	PHYS 1404
Calculus	MATH 1451
Statistical Methods	MATH 2300
Psychology	PSY 1300
English I	ENGL 1301
English II	ENGL 1302

All candidates are required to take the Optometry Admission Test (OAT). A bachelor's degree is not required. The following courses are required if applying to UIW without a bachelor's degree:

COURSE NAME	TEXAS TECH COURSE NUMBER(S)
Humanities (6 hours)	May include US History, Foreign Languages, Literature, or Arts
Behavior and Social Sciences (6 hours)	May include Sociology, Psychology, Political Science, History, Anthropology, Geography, Economics, or Communications

RECOMMENDED COURSES:

COURSE NAME	TEXAS TECH COURSE NUMBER(S)
Anatomy	ZOOL 3405
Physiology	ZOOL 4409
Ethics	PHIL 2320

RELATED RESOURCES:

- Association of Schools and Colleges of Optometry
- OptomCAS
- Optometry Admission Test

STUDENT ORGANIZATION SPOTLIGHT:

- Pre-Optometry Professional Society (POPS)



PRE-PHARMACY



Being Pre-Pharmacy at Texas Tech University means following a challenging curriculum while developing a competitive and compelling applicant profile for pharmacy school admissions, and there are many ways to do this. Pre-Pharmacy is considered a designation at Texas Tech; it is not a degree-granting major (please see pages 6 and 7 for more information). Nearly all students who enter pharmacy school will do so with a bachelor's degree complete, meaning they eventually decide on a degree-granting major as they prepare to apply to pharmacy schools of their choice. Pre-Pharmacy students have the option to choose any degree-granting major as long as they also complete the courses required to enter the pharmacy school of their choice.

It is the responsibility of the student to ensure they are following the most recent and accurate requirements for any program they intend to apply to, including exams, prerequisite coursework, shadowing and volunteering requirements (including documentation if necessary), or any other expectations an admissions board might require for application. PPHC recommends that students regularly check with the programs to which they plan to apply, as prerequisites and application procedures can change.

The School of Pharmacy at the TTUHSC offers the Doctor of Pharmacy (PharmD) as its single professional degree. The program is a four-year professional program, requiring at least two years of pre-professional studies that may be completed at any accredited college or university. Admitted Pharmacy students tend to have higher GPAs, higher scores on the Pharmacy College Admissions Test (PCAT), and extracurricular experiences demonstrating involvement on campus, community service, and engagement of the pharmacy profession. The TTUHSC School of Pharmacy utilizes community pharmacies, clinics, hospitals and nursing homes throughout the Panhandle and West Texas for clinical instruction.

Pharmacy is a doctoral health profession in which licensed professionals provide information about medication to consumers and professionals. Pharmacists play a vital role in improving patient care through the medicine and information they provide. Pharmacists dispense drugs prescribed by physicians and other health practitioners and monitor patient health. As "medication experts," pharmacists are concerned with safeguarding the public's health in matters relating to medication distribution and use disease state management. They advise physicians and other health practitioners on the selection, dosages, interactions, and side effects of medications. Pharmacists must understand the use; clinical effects; and composition of drugs, including their chemical, biological, and physical properties. They protect the public by ensuring drug purity and strength. The goal of pharmacy care is to maximize positive health care outcomes and improve patients' quality of life with minimum risk. Most pharmacists work in a community setting, such as a retail drug store, or in a hospital or clinic.

TTUHSC SCHOOL OF PHARMACY REQUIRES THE FOLLOWING COURSES:

COURSE NAME	TEXAS TECH COURSE NUMBER(S)
General Chemistry I and Lab	CHEM 1307/1107
General Chemistry II and Lab	CHEM 1308/1108
Organic Chemistry I and Lab	CHEM 3305/3105
Organic Chemistry II and Lab	CHEM 3306/3106
Biology I and Lab	BIOL 1403
Biology II and Lab	BIOL 1404
Principles of Microbiology (preferred) or Microbiology	MBIO 3401 (preferred) or MBIO 3400
Physics I and Lab	PHYS 1403
Statistical Methods	MATH 2300
Calculus I	MATH 1451
Economics	ECO 2302 (preferred) or 2305 or 2301
English I	ENGL 1301
English II	ENGL 1302
English Literature	3 semester credit hours
Communication Studies	COMS 2300 or CFAS 2300
Humanities and Social Sciences	May use HIST 2300 and 2301, POLS 1301 and 2306 as 12 of the 15 semester credit hours

*Humanities and Social Sciences: Select from Anthropology, Communications (excluding Public Speaking above), Economics (excluding Economics above), Ethnic Studies, Family Living / Human Development, Geography, Government, History, Journalism, Philosophy, Political Science, Psychology, and Sociology. Note: Performing and Fine Arts (including Music), Physical Education, Foreign Languages, Computer Science, Religion or similar courses will not meet this requirement.

SPECIAL ADMISSIONS PROGRAM:

- Undergraduate to Pharmacy School Initiative (UPSI)

RELATED RESOURCES:

- Pharmacy College Admission Test (PCAT)
- Pharmacy Technician Certification Board

STUDENT ORGANIZATION SPOTLIGHT:

- Pre-Pharmacy Society



PRE-PHYSICAL THERAPY

Being Pre-Physical Therapy at Texas Tech University means following a challenging curriculum while developing a competitive and compelling applicant profile for Physical Therapy program admissions. Pre-Physical Therapy is considered a designation at Texas Tech University; it is not a degree-granting major. Pre-Physical Therapy students have the option to choose any degree-granting major, as long as they also complete the courses required to enter their Physical Therapy program.

It is the responsibility of the student to ensure they are following the most recent and accurate requirements for any program they intend to apply to, including exams, prerequisite coursework, shadowing and volunteering requirements (including documentation if necessary), or any other expectations an admissions board might require for application. PPHC recommends that students regularly check with the programs to which they plan to apply, as prerequisites and application procedures can change.

Students will pursue a Doctorate degree in Physical Therapy for three years. Physical Therapists provide services that help restore function, improve mobility, relieve pain, and prevent or limit permanent physical disabilities of patients with injuries or disease. Physical Therapists work closely with patients to restore, maintain, and promote their overall fitness and health. Patients may include accident victims and individuals with disabling conditions such as back pain, fractures, head injuries, arthritis, heart disease, and cerebral palsy. Physical Therapists examine patient's medical histories, test and measure their strength, range of motion, balance and coordination, posture, muscle performance, respiration, and motor function. They also determine the patient's ability to be independent and reintegrate into the community or workplace after injury or illness. Finally, Physical Therapists develop treatment plans describing a treatment strategy, its purpose, and the anticipated outcome.



MOST PHYSICAL THERAPY PROGRAMS REQUIRE THE FOLLOWING COURSES:

COURSE NAME	TEXAS TECH COURSE NUMBER(S)
Chemistry I and Lab	CHEM 1307/1107
Chemistry II and Lab	CHEM 1308/1108
Biology I	BIOL 1403
Biology II	BIOL 1404
Human Anatomy and Physiology I	ZOOL 2403
Human Anatomy and Physiology II	ZOOL 2404
Physics I	PHYS 1403
Physics II	PHYS 1404
General Psychology	PSY 1300
Statistical Methods	MATH 2300

RECOMMENDED COURSES:

COURSE NAME	TEXAS TECH COURSE NUMBER(S)
Oral Communication	COMS 2300
Introduction to Technical Writing	ENGL 2311
Biomechanics	KIN 3401
Motor Learning	KIN 3303
Exercise Physiology	KIN 3305
Applied Exercise Physiology	KIN 4368
Developmental Psychology	PSY 4301
Comparative Animal Physiology	ZOOL 4409

OTHER REQUIREMENTS:

A Bachelor's Degree is required for entry to the TTUHSC, Physical Therapy Program. A minimum cumulative GPA of a 3.0 on a 4.0 scale as well as a minimum science prerequisite GPA of 3.0 on a 4.0 scale is required.

Candidates for the TTUHSC Doctorate of Physical Therapy program are required to take the Graduate Record Examination (GRE).

Applicants are expected to have some knowledge of the profession. This can be acquired in several ways: volunteer work, paid employment, and/or observation in physical therapy settings. Applicants must have completed a minimum of 100 hours of experience in one or more physical therapy settings prior to May 1st of the year of matriculation. Additional experience hours will increase competitiveness of application.

Two letters of recommendation are required. One must be from a Physical Therapist who has observed applicant through volunteer or paid work experience. The other letter can be from a previous or present instructor, academic counselor, or previous or present employer.

Receiving a CPR certification is highly recommended.

SPECIAL ADMISSIONS PROGRAM:

- TTUHSC School of Health Professions/TTU Honors College Early Admission Decision Initiative

RELATED RESOURCES:

- Physical Therapists Centralized Application Service (PTCAS)
- American Physical Therapy Association (APTA)

STUDENT ORGANIZATION SPOTLIGHT:

- Pre-Physical Therapy Club



PRE-PHYSICIAN ASSISTANT STUDIES

Being Pre-Physician Assistant at Texas Tech University means following a challenging curriculum while developing a competitive and compelling applicant profile for physician assistant school admission. Students will typically enter their undergraduate years and begin working on the curriculum listed on the next page, along with taking part in a robust list of activities that will highlight their involvement outside the classroom. Pre-Physician Assistant is considered a designation at Texas Tech University; it is not a degree-granting major. Students on the Pre-Physician Assistant path are free to choose any degree-granting major as long as they also complete the courses required to enter physician assistant (PA) school.

It is the responsibility of the student to ensure they are following the most recent and accurate requirements for any program they intend to apply to, including exams, prerequisite coursework, shadowing and volunteering requirements (including documentation if necessary), or any other expectations an admissions board might require for application. PPHC recommends that students regularly check with the programs to which they plan to apply, as prerequisites and application procedures can change.

Students who are accepted into PA programs have a profile that demonstrates an inquisitive nature and interest in working to heal patients – as evidenced by their community service, campus involvement, commitment to engaging the profession of physician assistant, and an ability to meet high academic standards. Once in their PA program, students will spend 2-3 years in a curriculum designed to teach scientific coursework, followed by clinical rotations where they learn how to interact with patients.

Physician Assistants provide healthcare services under the supervision of physicians. They should not be confused with medical assistants, who perform routine clinical and clerical tasks. Physician Assistants conduct physical exams, diagnose and treat illnesses, order and interpret tests, counsel on preventive health care, assist in surgery, and can write prescriptions in 47 states. They are formally trained to provide diagnostic, therapeutic, and preventive healthcare services as delegated by a physician.



MOST PHYSICIAN ASSISTANT PROGRAMS REQUIRE THE FOLLOWING COURSES:

COURSE NAME	TEXAS TECH COURSE NUMBER(S)
Human Anatomy and Physiology I	ZOOL 2403
Human Anatomy and Physiology II	ZOOL 2404
Genetics ¹	BIOL 3416
Principles of Microbiology or Microbiology ²	MBIO 3401 (preferred) or MBIO 3400
Organic Chemistry ¹ or Biochemistry ³	CHEM 3305/3105 or CHEM 3310
General Psychology	PSY 1300
Statistical Methods	MATH 2300

PLEASE NOTE:

While it is highly encouraged to take science courses in person, online courses will NOT be rejected.

1. Biology is not a prerequisite for entry to the TTUHSC Physician Assistant program, but BIOL 1401, 1402, or 1403 is a prerequisite for Genetics (BIOL 3416).

2. Biology¹ and General Chemistry are not prerequisites for entry to the TTUHSC Physician Assistant program, but BIOL 1402 or BIOL 1403 and BIOL 1404 are prerequisites for Principles of Microbiology² (MBIO 3401) and CHEM 3305 is a pre- or co-requisite. ZOOL 2403 or BIOL 1402, or equivalent, and CHEM 1305 or CHEM 1307 are prerequisites for Microbiology (MBIO 3400). Be advised that only TTU's Health Sciences Center PA program accepts MBIO 3400, other PA schools wish to see MBIO 3401.

3. General Chemistry is not a prerequisite for entry to the TTUHSC Physician Assistant program, but CHEM 1307/1107 and CHEM 1308/1108 are prerequisites for Organic Chemistry (CHEM 3305/3105); Biochemistry (CHEM 3310) has a prerequisite of Organic Chemistry II (CHEM 3306/3106).

Additional admissions requirements:

- Bachelor's Degree
- Graduate Record Examination (GRE)
- Shadowing of a Physician Assistant is strongly recommended
- Healthcare experience, life experiences, and community service are valued
- The required science courses must be completed within the previous 7 years of application
- Three letters of recommendation, at least one from a practicing PA, is advised

SPECIAL ADMISSIONS PROGRAM:

- Physician Assistant Student Organization (PASO)

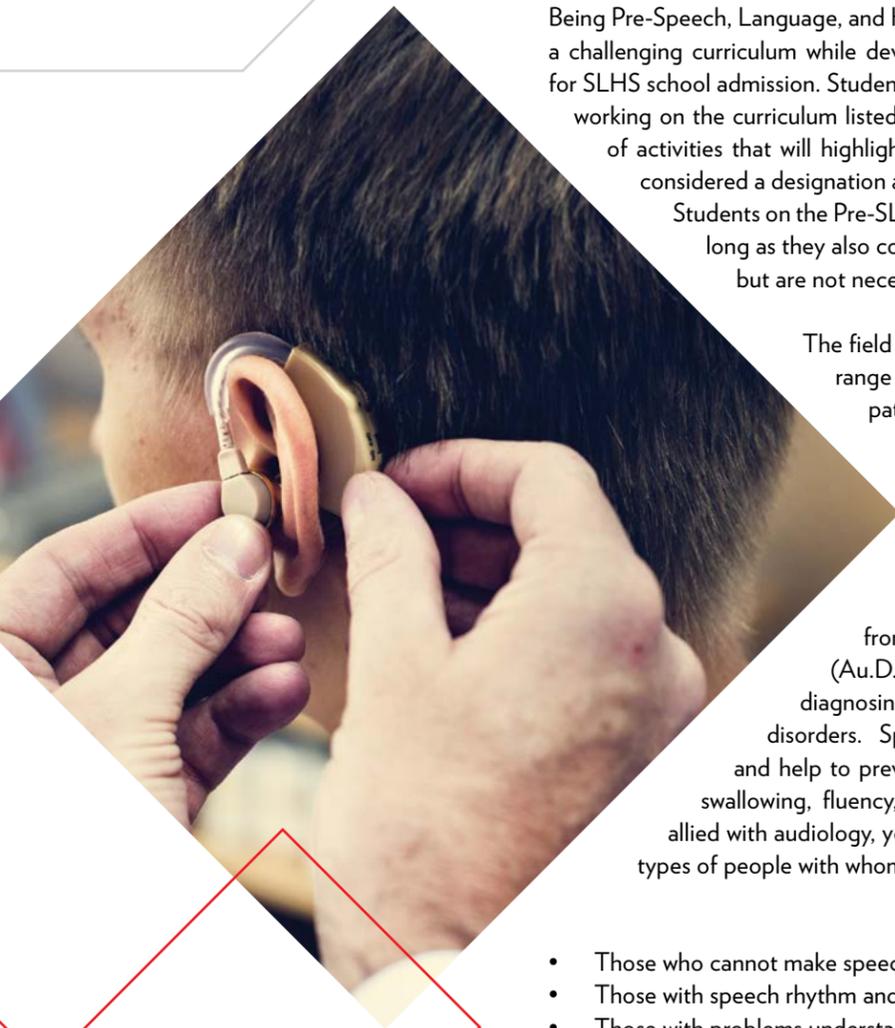
RELATED RESOURCES:

- Texas Academy of Physician Assistants (TAPA)
- American Academy of Physician Assistants (AAPA)



PRE-SPEECH, LANGUAGE AND HEARING SCIENCES

Being Pre-Speech, Language, and Hearing Science at Texas Tech University means following a challenging curriculum while developing a competitive and compelling applicant profile for SLHS school admission. Students will typically enter their undergraduate years and begin working on the curriculum listed on the next page, along with taking part in a robust list of activities that will highlight their involvement outside the classroom. Pre-SLHS is considered a designation at Texas Tech University; it is not a degree-granting major. Students on the Pre-SLHS path are free to choose any degree-granting major, as long as they also complete the courses required to enter professional school, but are not necessarily required to do so.



The field of speech-language and hearing sciences includes a wide range of careers, including audiologists and speech-language pathologists. Professionals in this field help patients deal with a broad range of disabilities and conditions related to speech delays or difficulties and hearing loss or limitations. Audiologists measure hearing ability, identify hearing and balance disorders, provide rehabilitative services, assess amplification devices, and provide training in speech-reading. They treat patients from birth through adulthood. A Doctor of Audiology (Au.D.) is an independent professional who specializes in diagnosing, managing, and treating hearing- and balance-related disorders. Speech-Language Pathologists assess, diagnose, treat, and help to prevent speech, language, cognitive, communication, voice, swallowing, fluency, and other related disorders. This profession is closely allied with audiology, yet still a separate field. The following are examples of the types of people with whom Speech-Language Pathologists work:

- Those who cannot make speech sounds or cannot make them clearly
- Those with speech rhythm and fluency problems, such as stuttering
- Those with problems understanding and producing language
- Those who wish to improve their communication skills by modifying an accent

It is the responsibility of the student to ensure they are following the most recent and accurate requirements for any program they intend to apply to, including exams, prerequisite coursework, shadowing and volunteering requirements (including documentation if necessary), or any other expectations an admissions board might require for application. PPHC recommends that students regularly check with the programs to which they plan to apply, as prerequisites and application procedures can change.

TTUHSC SCHOOL OF HEALTH PROFESSIONS SPEECH, LANGUAGE & HEARING SCIENCES PROGRAM REQUIRED COURSES:

COURSE NAME	TEXAS TECH COURSE NUMBER(S)
English I	ENGL 1301
English II	ENGL 1302
Technical Writing	ENGL 2311
US History to 1877	HIST 2300
US History Since 1877	HIST 2301
American Government	POLS 1301
Texas Government & Topics	POLS 2306
College Algebra or higher	MATH 1320 or higher
Statistical Methods	MATH 2300
Biological Science	Course title and description must specify biology of animals, human A&P, or human genetics; BIOL 1402 or ZOO 2403 or HONS 2406 recommended
Physical Science	Course title and description must specify chemistry or physics; CHEM 1305/1105, PHYS 1401 or PHYS 1406, or HONS 2405 recommended
Multicultural (3 hrs)	See approved list in TTU Catalog
Social and Behavioral Science (3 hrs)	Texas Core approved course
Language, Philosophy, and Culture (3 hrs)	Texas Core approved course
Creative Arts (3 hrs)	Texas Core approved course
Component Area (6 hrs)	Additional Social and Behavior Science hours required; CFAS 2300, COMS 1301, COMS 2300, HDFS 2303, PSY 1300, MCOM 2310, PHIL 2310, SOC 1301 or 1320 recommended
Additional Social and Behavioral Sciences (3 hrs)	See Component Area description above; COMS 2350 strongly encouraged
General Electives (9 hrs minimum)	Any college-credit course(s) so that total credit hours are at least 63; courses include art, business, computer science, education, English, human development and family studies, math, music, physical education, psychology, science, and/or sociology courses not used to fulfill requirements above

STUDENT ORGANIZATION SPOTLIGHT:

- Pre-Speech, Language, and Hearing Student Organization (Pre-SLHea)

TOTAL HOURS MUST BE AT LEAST 63 CREDIT HOURS.



TEXAS TECH UNIVERSITY

Pre-Professional Health Careers™

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