



Donald B. Thomason, Ph.D.
Dean
920 Madison Ave, Suite 807
Memphis, TN 38163
(901) 448-5538
<http://grad.uthsc.edu>



THE UNIVERSITY OF TENNESSEE

HEALTH SCIENCE CENTER

COLLEGE of GRADUATE
HEALTH SCIENCES
2016-2017

PROGRAMS OF STUDY

The College of Graduate Health Sciences of The University of Tennessee Health Science Center (UTHSC) offers graduate instruction leading to the Doctor of Philosophy, Master of Science, Master of Dental Sciences degrees and Certificates in one of the following:

- Biomedical Engineering
- Biomedical Sciences
- Certificate in Clinical Research
- Dental Sciences
- Epidemiology
- Health Outcomes and Policy Research
- Laboratory Research and Management
- Nursing Science
- Pharmaceutical Sciences
- Pharmacology
- Speech and Hearing Science

Combined D.D.S./Ph.D., M.D./Ph.D., D.N.P./Ph.D., and Pharm.D./M.S. or Ph.D. curricula in the colleges of Dentistry, Medicine, Nursing, and Pharmacy are available for exceptionally qualified students.

The principal aim of these graduate programs is to provide specialized education beyond the baccalaureate level through advanced study and research training that prepare students for research careers in academia, industry, and government.

APPLICATION DEADLINES

- January 1 Speech and Hearing Science
February 1 Nursing Science
March 1 Biomedical Sciences
March 15 Health Outcomes and Policy Research, Pharmaceutical Sciences
April 15 Dental Sciences, Epidemiology
May 15 Biomedical Engineering, Certificate in Clinical Research
June 1 Pharmacology, Laboratory Research and Management

RESEARCH FACILITIES AND SUPPORT SERVICES

Laboratory facilities at The University of Tennessee Health Science Center, including research areas at St. Jude Children's Research Hospital, The Regional Medical Center, Le Bonheur Children's Medical Center, Methodist University Hospital, and Department of Veterans Affairs Medical Center, under the direction of individual faculty investigators, are fully equipped with instrumentation necessary for modern biomedical and pharmaceutical research. The Health Sciences Library has a collection of books, current print and electronic periodicals, and numerous electronic databases. Additionally, our graduate training activities benefit from the approximately \$100 million in grants and contracts generated annually by the research faculty at the UT Health Science Center. The graduate programs are also enhanced by the Molecular Resource Center of Excellence, The Regional Biocontainment Laboratory, Center for Integrated and Translational Genomics, Neuroscience Center of Excellence, Vascular Biology Center, and the UT Ophthalmology Institute.

THE UNIVERSITY

Established in 1911, The University of Tennessee Health Science Center is one of the four major campuses within the statewide University of Tennessee System (others are at Chattanooga, Knoxville, and Martin). The UT Health Science Center comprises one of the most complete groupings of health science programs offered in the country and is worldwide in scope. The UT Health Science Center includes six colleges: Allied Health Sciences, Dentistry, Graduate Health Sciences, Medicine, Nursing, and Pharmacy. All are dedicated to overall excellence in teaching, research, and service. More than 2000 students are enrolled on the UT Health Science Center campus, including more than 300 students in Ph.D., M.S., or M.D.S. programs in the College of Graduate Health Sciences.

Biomedical Engineering (M.S. or Ph.D.)

Chair: William Mihalko, M.D., Ph.D.
(901) 448-2666

The University of Memphis/UTHSC Joint Graduate Program offers M.S. (thesis or project) and Ph.D. degrees in biomedical engineering that stress the application of engineering and physical science to biomedical problems, including research and development of new medical technologies, and improved experimental and theoretical characterization of physiological phenomena. The program's faculty are divided between the two campuses, offer academic and research specialization in four major subdisciplines: (1) Biomechanics, Movement Science and Rehabilitation; (2) Biomaterials and regenerative technology; (3) Biosensors and electrophysiology; and (4) Cellular biomechanical responses.

Core subjects, composed of about half of the graduate curriculum, stress mathematical methods, instrumentation and measurements, and life sciences that are useful for understanding,

analyzing, and solving biomedical problems and developing instrumentation and devices. The remaining part of the curriculum is devoted to a particular area and is chosen with the advice and consent of the student's faculty committee. Courses are selected from applicable offerings of the University of Memphis and the UT Health Science Center.

Requirements: Bachelor degree with a grade-point average of at least 3.0 from an accredited college or university, a combined score (verbal and quantitative) of at least 1000/300 on the old/revised Graduate Record Examination, a score of at least 213/79 on the computer-based/Internet-based TOEFL or evidence of proficiency in English for students whose native language is not English, and three letters of recommendation. We reserve the right, however, to set higher cutoffs, especially for Ph.D. candidates. Deadline: May 15.

PROGRAM DIRECTOR:

Dr. Richard A. Smith (901) 448-5254
rsmith@uthsc.edu

More info: <http://www.uthsc.edu/bme>

Biomedical Sciences (Ph.D.)

Chair: Elizabeth A. Fitzpatrick, Ph.D.

(901) 448-5405

The Biomedical Sciences Program (aka Integrated Biomedical Sciences (IBS)) is a research-oriented graduate program that involves faculty from the University of Tennessee Health Science Center and affiliate faculty from nearby St. Jude Children's Research Hospital and the Veterans Affairs Medical Center. Students apply directly to the IBS Program, but choose among five research tracks: Cancer and Developmental Biology; Cell Biology and Physiology; Microbiology, Immunology, and Biochemistry; Molecular and Systems Pharmacology; and Neuroscience. Students in the IBS Program choose from a menu of courses to fulfill core and elective curricular requirements, a process that allows them to tailor their curriculum to their educational and research needs. Course selection is only one of several flexible features of the IBS Program designed to enable students to gain an edge in today's competitive research environment. Most students choose to identify a research track before enrolling in the IBS Program, while others may consider more than one track, and are free to switch tracks during their first year. All students participate in laboratory rotations before selecting a research mentor, allowing the student to thoroughly explore their dissertation research options. The world class research environment at UTHSC and St. Jude along with the flexibility of the program and an extremely high faculty to student ratio make the UTHSC Integrated Biomedical Sciences Program ideal for the student looking for a personalized, high-powered Ph.D. program that will launch them into a top notch biomedical sciences career.

Requirements: Bachelor degree with a grade-point average of at least 3.0 from an accredited college or university, a combined score (verbal and quantitative) of at least 1000/300 on the old/revised Graduate Record Examination, a score of at least 213/79 on the computer-based/Internet-based TOEFL or evidence of proficiency in English for students whose native language is not English, and three letters of recommendation.

Priority deadline: January 15; final deadline: March 1.

PROGRAM INQUIRIES:

Elizabeth Webb, (901) 448-7030, IBS@uthsc.edu

TRACK HEADS:

Cancer and Developmental Biology

Dr. Susan A. Miranda, (901) 448-1136

smirand5@uthsc.edu

Dr. Zhaohui Wu, (901) 448-2612

zwu6@uthsc.edu

Cell Biology and Physiology

Dr. Kristen O'Connell, (901) 448-2648

koconne3@uthsc.edu

Microbiology, Immunology, and Biochemistry

Dr. David Nelson, (901) 448-8303

dnelson@uthsc.edu

Molecular and Systems Pharmacology

Dr. Jeffery Steketee, (901) 448-4585

jstekete@uthsc.edu

Neuroscience

Dr. Joseph Callaway, (901) 448-8497

jcallaway@uthsc.edu

Dr. Jian Zuo, (901) 595-3891

jian.zuo@stjude.org

PARTICIPATING DEPARTMENTS:

Anatomy and Neurobiology, Dr. Matthew Ennis, Chair
Microbiology, Immunology, and Biochemistry, Dr. Michael Whitt, Chair

Pathology, Dr. Polly A. Hofmann, Interim Chair
Pharmacology, Dr. Alex Dopico, Chair
Physiology, Dr. Christopher Waters, Chair

St. Jude Children's Research Hospital Liaison:

Dr. Gerard Zambetti, (901) 595-6028

gerard.zambetti@stjude.org

More info: <http://grad.uthsc.edu/IBS/>

Certificate in Clinical Research

Interim Chair: Zoran Bursac, Ph.D.
(901) 448-1195

The Certificate in Clinical Research is a 12-credit hour online non-degree program designed to provide initial clinical research skills and training to healthcare professionals. The program is designed for junior faculty, fellows, other healthcare professionals and research-oriented individuals, who are not in a degree program but are seeking initial training in the methods and skills to conduct clinical research, and whose schedules may not accommodate traditional, classroom-based courses. Online, self-paced courses are moderated by experienced research scholars within the College of Graduate Health Sciences' academic-year schedule of fall and spring terms. Not all courses will be offered every term, so students may need at least two semesters to earn a certificate if they follow the recommended plan for two courses in the fall term and two courses in the spring term.

Requirements: Health profession degree or a bachelor degree, with a grade-point average of at least 3.0 from an accredited college or university; official transcripts; a combined score (verbal and quantitative) of at least 1000/300 on the old/revised Graduate Record Examination and minimum score of 3.5 on the analytical writing section unless the applicant has a graduate degree; a score of at least 213/79 on the computer-based/internet-based TOEFL or evidence of proficiency in English for students whose native language is not English; and two letters of recommendation. The minimum cumulative GPA needed for successful completion of the Clinical Investigation Certificate Program may be no lower than a GPA of 3.0. Deadline: May 15.

PROGRAM DIRECTOR:

Dr. Simonne S. Nouer, (901) 448-5189
snouer@uthsc.edu

More info: <http://www.uthsc.edu/prevmed/cicr.php>

Dental Sciences (M.D.S.)

Chair: Sidney H. Stein, D.M.D., M.S., Ph.D.
(901) 448-6441

The Master of Dental Science degree is designed to provide contemporary research experience in oral sciences to dentists enrolled in clinical specialty programs in the UTHSC College of Dentistry. Courses and research requirements for the Master of Dental Science provide appreciation of the role of research in the clinical management of orofacial abnormalities and diseases and the restoration of orofacial health and function. The goal of the program is to train dental specialists to pursue a career that can include specialty practice, research, or teaching, with an expanded comprehension of the interrelationships between clinical dentistry, basic science, and research. The program is offered in five concentration areas: endodontics, orthodontics, pediatric dentistry, periodontology, and prosthodontics. The Master of Dental Science degree is awarded upon completion of requirements set forth by the UTHSC College of Graduate Health Sciences and the UTHSC College of Dentistry.

Requirements: Eligible candidates must have a D.D.S., D.M.D., or equivalent foreign degree and acceptance by an advanced education program in the UTHSC College of Dentistry for specialty training in endodontics, orthodontics, pediatric dentistry, periodontology, and prosthodontics. Deadline: April 15.

PROGRAM DIRECTORS:

Endodontics

Dr. Adam Lloyd, (901) 448-1731
alloyd@uthsc.edu

Orthodontics

Dr. Terry Trojan, (901) 448-1893
ttrojan@uthsc.edu

Pediatric Dentistry

Dr. Martha H. Wells, (901) 448-6206
mwells18@uthsc.edu

Periodontology

Dr. Martyn S. Greene, (901) 448-6920
mgreen50@uthsc.edu

Prosthodontics

Dr. David R. Cagna, (901) 448-6930

dcagna@uthsc.edu

More info: <https://www.uthsc.edu/dentistry/Grad/msdp.php>

Epidemiology (M.S.)

Interim Chair: Zoran Bursac, Ph.D.

(901) 448-1195

The Master of Science in Epidemiology Clinical Investigation program is a 36 credit hour degree program designed to provide the necessary methodological skills for students/clinicians/healthcare professionals to be able to independently conduct research and acquire grants in a chosen field of study. As part of this program, students receive training in epidemiology, biostatistics, health research methods, health behavior, and health promotion. The program is offered to qualified applicants holding a bachelor's, master's, or professional degree in a variety of disciplines including physical, biological, and social sciences, health and medical sciences. The program emphasizes training for current health professionals to develop and enhance their research design and data analysis skills. All core courses (biostatistics, epidemiology, and SAS) are offered online. The program offers up to three credit hours professional development credit for those individuals meeting defined criteria. Students may opt for a nonthesis track in which students prepare a quantitatively-based research article, approved by the student's committee, which must be suitable for submission and possible publication in a professional peer-reviewed journal. Students must present their thesis or research project and associated manuscript in an announced forum with the student's committee.

Requirements: Bachelor's degree with a GPA of at least 3.0 from an accredited college or university; official transcripts; letter of intent (200-word minimum) describing the applicant's specific area of epidemiological interest; a minimum score of 1000/300 on the old/revised Graduate Record Examination; a score of at least

213/79 on the computer-based or Internet-based TOEFL or evidence of proficiency in English for students whose native language is not English; and two letters of recommendation. Physicians licensed in the United States (and, under certain circumstances, persons with terminal degrees, such as a Ph.D.) may petition for the GRE requirement to be waived. Deadline: April 15.

PROGRAM DIRECTOR:

Dr. Simonne S. Nouer, (901) 448-5189

snouer@uthsc.edu

More info: <http://www.uthsc.edu/prevmed/mseepiprogram.php>

Health Outcomes and Policy Research (Ph.D.)

Chair: Sajeesh Kumar, Ph.D.

(901) 448-2125

Health Outcomes and Policy Research is focused primarily on pharmacy and the medication use process, health disparities, and policies related to health care systems that impact access and economics.

Specifically, we engage in health outcomes, policy, and community-based participatory research that pertains to pharmacy systems, health systems, e-health systems, legal and regulatory systems, and community social capital. Our research includes studies of the cost of illness, cost effectiveness, cost-benefit, medication errors, patient perceptions of providers, cost of care-giving, and economic impacts. Our unique areas of strength within this body of research are medication therapy management outcomes, health disparities, and translational research. We approach these three areas of study both individually and collectively by engaging the interdisciplinary skills of our faculty and students.

Health Policy – This concentration of the Health Outcomes and Policy Research program is designed to provide an intense, academic foundation for students pursuing careers in research, teaching, and health administration.

The formal curriculum provides a comprehensive

understanding of the methods used for health services research, health policy research, and health policy analysis. Required courses include extensive experiences in quantitative and qualitative research methods, health economics, health systems functions, and health care policy formulation and analysis.

Pharmacoeconomics – The program in Health Outcomes and Policy Research, with a concentration in pharmacoeconomics, is designed to develop the knowledge and skills necessary for evaluating the economic, clinical, and humanistic outcomes of medical treatment. Topics addressed include the use of pharmaceuticals, appropriateness and quality of care, patient outcomes, large database analysis, patient satisfaction with care, costs of both appropriate and inappropriate medication use, public policies related to health care, and pharmacoepidemiological considerations. The course of study examines the respective roles and behaviors of healthcare professionals (e.g., physicians, pharmacists, nurses, allied health workers) involved in patient care and the influence of healthcare-related organizations (e.g., managed care, health maintenance organizations, public and private insurance, and pharmaceutical manufacturers) on health outcomes. Very important to the medication use process and the understanding of health disparities is the role of the patient.

Health Informatics – This area of research is timely in that health systems are now substantially reliant on information management systems and increasingly vulnerable to damage due to improper management of these systems. Health Informatics PhD Curriculum requires 77 total hours with 36 required course hours, 15 elective course hours, 18 dissertation hours and 8 seminar hours. The Department of Health Informatics and Information Management offers the doctoral level courses. Graduates of this program will have a specific area of expertise in health outcomes and policy as well as a core of interdisciplinary knowledge. They will become researchers, scholars, teachers, thinkers, and planners in the demanding and changing field of health informatics & information management.

Graduate Certificate in Healthcare Quality Improvement

The Institute for Health Outcomes and Policy (IHOP)'s Graduate Certificate in Healthcare Quality Improvement meets the growing need for healthcare quality and outcomes and population health specialists who can grow and sustain a culture of continuous improvement. This 12-credit certificate program prepares professionals in healthcare to implement quality improvement initiatives and to manage populations of patients to optimize efficiency and effectiveness of care and services. Participants learn to use the techniques of statistical process control, selected tools from operations research and quality improvement, information management technology, and qualitative decision-making applications to ultimately improve clinical health outcomes for patients and communities.

The distance-based format allows healthcare professionals to advance their education while working full-time, and also provides students with a rigorous curriculum and access to the resources and experts at UTHSC. Courses are offered in fall and spring semesters.

Requirements: Bachelor degree or health-related degree, with a grade-point average of at least 3.0 from an accredited college or university (health profession degree or health-related degree preferred); official transcripts; letter of intent describing the applicant's specific area of interest (200-word minimum); a combined score (verbal and quantitative) of at least 1000/300 on the old/revised Graduate Record Examination, and minimum score of 3.5 on the analytical writing section; a score of at least 213/79 on the computer-based/Internet-based TOEFL or evidence of proficiency in English for students whose native language is not English; and three letters of recommendation. Deadline: March 15.

PROGRAM DIRECTOR:

Dr. Sajeesh Kumar, (901) 448-2125
skumar10@uthsc.edu

More info: <http://www.uthsc.edu/ihop/>

Laboratory Research and Management (M.S.)

Chair: Leonard Lothstein, Ph.D.
(901) 448-3334

The College of Graduate Health Sciences offers a 16-month 35-credit program leading to the degree of Master of Biomedical Science with a concentration in Laboratory Research and Management. The mission of this program is to train qualified individuals in the advanced technical, managerial, and administrative skills required to be a Senior Research Assistant/Lab Manager in basic and translational biomedical research laboratories in the academic, government and private biotech sectors. Candidates in this three-semester program will receive training in four integrated components: Basic Science, Technical, Administrative, and Practical.

Requirements: General requirements are a Bachelor degree with a grade-point average of at least 3.0 from an accredited college or university and a combined score totaling at least 300 for the verbal and quantitative sections of the revised Graduate Record Examination. Individuals with a professional or graduate degree in science from an accredited US/Canadian institution, or with scores from other commonly recognized standardized graduate admissions exams, may petition for an exception. Any applicant to the graduate program whose first language is not English and who has earned neither a bachelor's nor a master's degree from a college or university in an English-speaking country must have achieved a TOEFL score of at least 213/79 on the computer-based/Internet-based exam or an IELTS score of 6.5 (earned within 2 years prior to application). In addition, two letters of recommendation should be provided. Students will be accepted into the program on a rolling admissions basis ending June 1.

PROGRAM DIRECTOR:

Dr. Leonard Lothstein, (901) 448-3334
llothste@uthsc.edu

Web Page: <http://grad.uthsc.edu/Programs/BCLRMMO.php>

Nursing Science (Ph.D.)

Chair: Wendy M. Likes Ph.D., DNSc
(901) 448-6144

The College of Graduate Health Sciences offers the Nursing Science Ph.D. program, a research-focused doctoral nursing degree, to individuals with a Bachelor's degree or a master's degree in nursing. The mission of this program is to prepare nurse scientists for collaborative and socially responsible inquiry that improves and promotes health today and for the future. This mission is achieved through an educational program that emphasizes developing and testing theories and models of nursing care; clinical and biological nursing research; and social, ethical, political, legal, and economic implications of health care policies and practices. The program was designed to educate nurse scientists who will use research-based knowledge, theories, and interventions in their roles as researchers, educators, and administrators.

Students work closely throughout their program of study with a faculty advisor or mentor with whom they share a common interest. The areas of faculty research concentration are self-management, neurobehavior, risk identification and management, and relational health. Faculty members have established local, regional, national, and international reputations for their contributions to nursing scholarship and leadership. Interested individuals should carefully examine the programs of research of faculty to determine which program best fits the student's future goals as a scientist. The Ph.D. program is a rigorous, mentored program of three to five years. Matching with a research mentor with similar interests is critical to success. Although nursing faculty teach most courses included within the curriculum, students have the opportunity to learn and network with faculty and doctoral students in other disciplines. Students may enroll in full-time or part-time study.

Requirements: Bachelor's degree with a grade point average of at least 3.0 from an accredited college or university, a combined score (verbal

and quantitative) of at least 1000/300 on the former/revised Graduate Record Examination, official transcripts, an unencumbered RN license, current CPR card, a score of at least 213/79 on the computer-based/Internet-based TOEFL or evidence of proficiency in English for students whose native language is not English, letter of intent or essay describing the applicant's specific area of interest, and three letters of recommendation from individuals who can describe the applicant's potential for success in a research-focused doctoral program. Deadline: February 1.

PROGRAM DIRECTOR:

Dr. Carolyn Graff, (901) 448-6544
jgraff@uthsc.edu

More info: <http://grad.uthsc.edu/Programs/index.php?page=NSG>

Pharmaceutical Sciences (Ph.D.)

Interim Chair: Bernd Meibohm, Ph.D.
(901) 448-1206

The Pharmaceutical Sciences program is a research intensive graduate program with faculty from the University of Tennessee Health Science Center and affiliate faculty from St. Jude Children's Research Hospital. The program offers the Ph.D. degree in Pharmaceutical Sciences with concentration in one of the following areas: bioanalysis, medicinal chemistry, pharmaceuticals, and pharmacometrics.

Bioanalysis – Faculty research includes the development and application of state-of-the-art analytical technologies to detect and quantify molecular entities of biological and pharmaceutical interest, such as drugs and biomarkers.

Medicinal Chemistry – Faculty research activities are targeted at finding specific and selectively acting drug molecules. The efforts include design, synthesis, characterization, and bioassays of molecules for prophylactic and therapeutic use in disorders of the endocrine, cardiovascular, and central and peripheral nervous systems, as well as in cancer and infectious diseases. Computer-aided

molecular design, combined with traditional and asymmetric organic synthesis, and mass and NMR spectroscopic techniques are used in the drug discovery process. The synthetic efforts are guided by results of in vitro bioassays such as cell culture, enzyme inhibition, receptor binding, and in vivo animal models. Also, combinatorial chemistry is used to generate large numbers of variables in a format allowing for rapid optimization of lead structures. Campus facilities consist of molecular modeling laboratories; a mass spectrometry center; high field NMR spectrometry; and several well-equipped organic synthesis laboratories.

Pharmaceutics – Faculty research includes studies designed to examine the physicochemical factors that influence drug stability, aseptic methods for the manufacture of parenteral dosage forms, the stability of peptides and proteins during formulation into drug delivery systems, and the discovery and validation of novel delivery systems for controlled release of drugs.

Pharmacometrics – Faculty research includes the quantitative assessment of drug disposition (pharmacokinetics) and effects (pharmacodynamics) using mathematical models based on biology, physiology, pharmacology and disease.

Requirements: Health profession degree or a bachelor degree, with a grade-point average of at least 3.0 from an accredited college or university; official transcripts; letter of intent describing the applicant's specific area of interest (200-word minimum); a combined score (verbal and quantitative) of at least 1000/300 on the old/revised Graduate Record Examination and minimum score of 3.5 on the analytical writing section; a score of at least 213/79 on the computer-based/internet-based TOEFL or evidence of proficiency in English for students whose native language is not English; and three letters of recommendation. Deadline: March 15.

PROGRAM DIRECTOR:

Dr. Hassan Almoazen, (901) 448-2239
halmoaze@uthsc.edu

More info: <https://www.uthsc.edu/pharmacy/gradprograms/index.php>

Pharmacology (M.S.)

Chair: Alex Dopico, MD/Ph.D.
(901) 448-6000

The department of Pharmacology offers an 11 month, 34 credit, accelerated program leading to the award of a Master of Science degree. The program is designed to provide the student with a comprehensive background in medical pharmacology, basic biochemistry and the physiologic and pathophysiologic basis for drug therapy. Successful completion of this program will fully prepare a student for additional medical or basic research training.

Requirements: Bachelor degrees with a grade-point average of at least 3.0 from an accredited college or university. Applicants may submit competitive MCAT scores or an old/revised Graduate Record Examination combined scores (verbal and quantitative) of at least 1000/300. In addition three letters of recommendation should be provided. Students will be accepted into the program on a rolling admission basis ending June 1.

PROGRAM DIRECTOR:

Dr. Edwards Park, (901) 448-4779
epark@uthsc.edu

Web Page: <http://grad.uthsc.edu/Programs/index.php?page=PharmacologyMS>

Speech and Hearing Science (Ph.D.)

Chair: Ashley Harkrider, Ph.D.
(865) 974-1810

The Department of Audiology and Speech Pathology on the Knoxville campus offers a Ph.D. program that seeks to develop individuals for professional careers in a variety of positions including research and college teaching in the concentration areas of speech and language pathology, audiology, speech-language science or hearing science. The degree program is research oriented with primary emphasis on processes involved in normal, or disordered speech, language and hearing. Students will be expected to demonstrate their knowledge in areas related to the concentrated field of study. These areas include: 1) Basic speech, hearing, or language processes; 2) Basic speech, hearing, or language disorders or differences; 3) Related disciplines providing insight into human communication processes; 4) Technical skills in instrumentation and experimental design which enable the student to investigate problems pertaining to speech and hearing processes.

Requirements: Bachelor degree with a grade-point average of at least 3.0 from an accredited college or university, a combined score (verbal and quantitative) of at least 1000/300 on the old/revised Graduate Record Examination, a score of at least 213/79 on the computer-based/Internet-based TOEFL or evidence of proficiency in English for students whose native language is not English, a personal statement, and three letters of recommendation. Deadline: January 1.

PROGRAM DIRECTOR:

Dr. Mark Hedrick, (865) 974-8105
mhedric1@uthsc.edu

More info: <http://www.uthsc.edu/allied/asp/phd/>

FELLOWSHIPS

A number of research assistantships, predoctoral fellowships, and traineeships with competitive stipends are available to full-time graduate students. In some programs, additional scholarships of up to \$3000 may be available for individuals who have exceptional academic records and have graduated from universities within the United States. Tuition for fellowships is normally waived. There are also several government student loan options through the Financial Aid Office.

ADMISSION

General requirements are a bachelor's degree with a grade-point average of at least 3.0 from an accredited college or university, a combined score (verbal and quantitative) of at least 1000/300 on the old/revised Graduate Record Examination, a score of at least 213/79 on the computer-based/Internet-based TOEFL or 6.5 on the IELTS or evidence of proficiency in English for students whose native language is not English, and three letters of recommendation. Some programs in the college may have additional or more stringent requirements.

Students must apply over the web (<http://grad.uthsc.edu>). There is no application fee. Successful applicants are required to complete a criminal background check.

Application documents from any non-U.S. institution must be sent to and verified by World Education Services (<http://www.wes.org>) or other international transcript verification service that is a member of the National Association of Credential Evaluation Services (NACES). Transcript verification services charge a fee for the evaluation.