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Health Professions

School of Health Professions Catalog

In 1968, Dr. Charles C. Sprague, then Dean of The University of Texas Southwestern Medical School, initiated the planning for a new School of Allied Health Professions in Dallas. Dr. Richard D. Burk, Chairman of the Department of Physical Medicine and Rehabilitation, was named the first Dean of the school in February 1969. Under his leadership and with the assistance of Associate Dean Harry J. Parker, students were first enrolled in baccalaureate programs for the 1970-71 academic year in Medical Technology, Physical Therapy, and Rehabilitation Science, and in a post-baccalaureate Dietetic Internship.

Dr. John W. Schermerhorn was appointed Dean of the School in August 1971. He was succeeded by Dr. William J. Gonyea in 1985. In 1988, Dr. Vernie A. Stembridge assumed duties as interim Dean. Dr. Gordon Green was appointed Dean in January 1991. In 2006, Dr. Raul Caetano became Dean and served until 2014. Dr. Jon Williamson was appointed Dean of the School in October 2015 after serving as interim Dean for nine months.

The School originally was housed in Methodist Hospital's School of Nursing facilities. From 1973 until 1983, it occupied facilities at 6003 Maple Ave. In 1983, the School relocated to the Locke Building, 6011 Harry Hines Blvd. The building subsequently was remodeled and renamed The University of Texas Southwestern Allied Health Sciences School Building (now the UT Southwestern School of Health Professions Building). In 2008, the School was renamed the UT Southwestern School of Health Professions. Permanent facilities in the building include classrooms, clinics, laboratories, and administrative offices for most departments of the school promoting a highly collaborative and interprofessional environment.

Accreditation

Institutional accreditation for The University of Texas Southwestern Medical Center is contained within the "General Information" section of the catalog.

Education Program Accreditations

The Doctor of Applied Clinical Research Program is accredited by the Southern Association of Colleges and Schools Commissions on Colleges (SACS-COC).

The Master of Clinical Nutrition Coordinated Program is granted accreditation by the Accreditation Council for

Education in Nutrition and Dietetics of the Academy of Nutrition and Dietetics.

The Doctor of Physical Therapy Program is accredited by the Commission on Accreditation in Physical Therapy Education.

The Master of Physician Assistant Studies Program is accredited by the Accreditation Review Commission on Education for the Physician Assistant.

The Master of Prosthetics-Orthotics Program is accredited by the Commission on Accreditation of Allied Health Education Programs upon the recommendation of the National Commission on Orthotic and Prosthetic Education.

The Master of Radiation Therapy Program is accredited by the Joint Review Committee on Education in Radiologic Technology.

Academic Administration

Jon W. Williamson, Ph.D.
Dean

Kim Hoggatt Krumwiede, Ph.D., CMI
Associate Dean for Academic Affairs
Acting Chair, Health Care Sciences

Scott A. Smith, Ph.D.
Associate Dean for Research
Acting Chair, Applied Clinical Research
Program Director, Applied Clinical Research Ph.D.
Program

Jeffrey Browning, M.D.
Chair, Clinical Nutrition

Temple Howell-Stampley, M.D., MBA, FACP
Chair, Physician Assistant Studies

Ross G. Querry, PT, Ph.D.
Chair, Physical Therapy

Leslie Gray, M.Ed., CPO, LPO, FAAOP
Program Director, Prosthetics-Orthotics

Sandra Hayden, M.A., RT(T), FASRT
Assistant Professor, Radiation Therapy
Interim Program Director, Radiation Therapy

Purpose

UT Southwestern School of Health Professions has several leadership responsibilities within the Medical Center. Its primary function is the academic preparation of health professionals in masters and doctorate programs. In doing so, its faculty also provides structured preparation for students in clinical settings, offers high-quality patient care and client services, and takes part in ongoing research and professional development.

The mission of the School of Health Professions is to:

1. EDUCATE – physicians, scientists, and caregivers optimally prepared to serve the needs of patients and society
2. DISCOVER – research that solves for unmet needs by finding better treatments, cures, and preventions with a commitment to ensuring real-world application
3. HEAL – provide the best care possible today, with continuous improvement and innovation for better care tomorrow

The Medical Center setting in which the School is located provides rich resources for achieving these goals. Highly respected basic and medical scientists are available to present special lectures and to consult and collaborate with members of the faculty. Clinical training facilities at teaching hospitals and affiliated institutions are readily available. In the outstanding academic environment provided by the Medical Center, the faculty members of the School expand their training through research and service activities.

Because the School's administration and faculty recognize the importance of community service, they work actively to publicize career opportunities in health care, to recruit students of varied backgrounds to prepare for health careers, and to respond to the changing needs of the health care workforce.

While the School seeks to provide the most suitable environment for learning, it cannot guarantee any individual's progress or opportunities for employment.

Student Information

Jump to:

- Admission Status
- Admissions
- Diversity
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- Entrance Requirements
- Essential Functions
- Evaluation of Applicants
- Financial Aid
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Admissions

General information about the admissions process into the School of Health Professions and into specific programs

The basic requirement for admission is a bachelor's degree or its equivalent from an accredited institution in the United States or proof of equivalent training at a foreign university with the exception of the Applied Clinical Research Ph.D. Program, which requires a master's degree in Allied Health or a related profession. The applicant must have maintained satisfactory grades, especially in appropriate courses, in upper-division work (junior and senior level) and in any graduate work already completed. The applicant must submit the general test score on the Graduate Record Examination. Admission is competitive. Application must be approved by the academic program and by the Admissions Committee in the intended major area of study.

Evaluation of Applicants

Admissions decisions will be made in accordance with UT Southwestern's institutional admissions policy, the School of Health Professions admissions policy, and established program-specific procedures, all of which are available through the Dean's Office.

The following criteria are not intended to replace prerequisites or state requirements or to negate legitimate

qualifications for specific health professions. Admission decisions may be based upon any combination of the following considerations:

1. Texas residency;
2. Scores on entrance examinations;
3. Prior college-level academic performance (overall grade-point average, science grade-point average, etc.);
4. Special and unique talents and accomplishments: artistic, scientific, intellectual, manual and/or computer skills; leadership (health-related or community); participation in extracurricular activities;
5. Experience: work history (health-related or nonhealth-related), special honors, community service, and research;
6. Measures of motivation: letters of recommendation, grade improvements and trends, applicant essay (e.g., "Please discuss how your experience and environment have shaped your intellectual and personal development and your interest in health professions.");
7. Demographic and geographic information: rural or inner-city home address or ZIP code, rural or inner-city high school, magnet high school (health-related or nonhealth-related);
8. Social and economic background: first in family to attend high school or college, parents' occupations, parents' educational attainment;
9. Communication skills: writing samples, portfolio of work, interview (individual or small group), multilingual.

Diversity

UT Southwestern values diversity because it enhances the educational experience of our students and enriches the Medical Center community. Welcoming a diverse student body is imperative as UTSW strives to provide the state with health care professionals who mirror the population they serve. The School of Health Professions actively publicizes career opportunities, recruits students of varied backgrounds, and responds to Texas' changing needs for

health professionals.

UT Southwestern is committed to attracting and maintaining a high level of diversity within its student body. To meet this goal, we offer programs and organizations that support the needs and career aspirations of all students.

The UT Southwestern Office of Student Diversity and Inclusion is dedicated to helping ensure students' success. The Office promotes effective communication with minority students, supports student organizations, and maintains contact with faculty and appropriate Departments. The Office also fosters the development of minority faculty, thereby increasing the number of minority mentors for our students.

The School of Health Professions does not use race or ethnicity as a factor in admissions decisions.

Admission Status

Students may be accepted to UT Southwestern School of Health Professions in one of the following categories:

Regular Student

The applicant has fully satisfied the requirements for admission to a degree program.

Conditionally Accepted Student

Some degree programs accept applicants who have not fully satisfied the requirements for admission to a degree program. Any student so admitted will agree, at the time of admission, to a specific, written plan for the removal of deficiencies. The plan must include the course name(s), the number of deficient credit hours and a time-phased schedule for completion of the course(s). The plan also will include notification that, if the terms are not met, the student will not be allowed to enroll further at UT Southwestern. All such plans for conditionally accepted students must be approved by the Dean or Associate Dean before being transmitted to the student for signature.

Special Student (not seeking a degree or certificate)

Admission as a special student is possible under certain circumstances. Special students must have approval of the appropriate Program Director and the Dean or Associate Dean to register under this status. To be accepted as a special student, an applicant must provide documentation of successful completion of, or exemption from, the Texas TASP examination to the

Office of Enrollment Services for approval. The applicant also must submit one or more of the following: 1) official transcript(s); 2) certified copies of diplomas; and 3) official grade reports from accredited institutions.

Without approval of the Dean or Associate Dean, a special student cannot enroll for more than six semester hours in a given semester or for more than a total of 12 semester hours. Applicants seeking special-student status must meet the same requirements as regular students, including necessary background checks and immunizations.

Non-UT Southwestern Student

UT Southwestern's capacity to accommodate students from other institutions who wish to take courses or undertake an elective rotation is extremely limited.

UT Southwestern cannot reserve classroom or clinical positions in advance for any students other than those enrolled in UT Southwestern programs. The burden placed on UT Southwestern's faculty to provide adequate supervision to UT Southwestern students and the demands placed upon the limited number of supervised clinical-placement sites leave scant room for students from other institutions.

In the unlikely event that UT Southwestern has excess capacity on its clinical teaching services for well-trained elective students from other accredited schools, UT Southwestern will consider applications from those students on a department-by-department "exception" basis. All such exceptions are subject to review and approval by the Dean or Dean's designee, and the student must apply for "special student" admission to UT Southwestern School of Health Professions.

Essential Functions

All individuals, including people with disabilities, who apply for admission to UT Southwestern School of Health Professions must be able to perform specific essential functions, with or without accommodations. Essential functions are the basic activities that a student must be able to perform to complete the program's curriculum. No applicant who can perform the School's essential functions – with or without reasonable accommodations – will be denied consideration for admission. Information regarding how to request reasonable accommodation due to disability can be found in UT Southwestern's Learners with Disabilities Policy. This is available from the Dean's Office or Student Academic Support Services. This

information is also included in the material sent to all accepted applicants.

Each School of Health Professions student must be able to perform the following essential functions, with or without accommodation, in addition to any essential functions specific to the particular program of study, which are listed in the program sections below.

1. Attend scheduled classes and laboratory sessions and be present for examination and testing;
2. Travel to practicum sites and have mobility within and around the sites;
3. Assimilate information presented via lecture, handouts, videos, discussions, computer and/or other educational modalities;
4. Complete assignments such as written assignments, oral presentations, class participation, examinations and computer-based activities;
5. Apply the assimilated information to appropriate clinical situations;
6. Communicate effectively with patients/clients, their families, faculty and other professionals using oral, telephonic, written and computer modalities in private and group settings;
7. Make effective use of learning resources at UT Southwestern and affiliated facilities.

Entrance Requirements

For prospective students, the “General Information” site of the catalog contains additional onboarding information, including:

- Background Check
- Policy Against Discrimination
- In-state and Out-of-state Residency
- Active Military Service
- Academic Fresh Start
- Required Immunizations
- AIDS, HIV, and Hepatitis B Virus Policy
- Bacterial Meningitis

Distance Learning

UT Southwestern Medical Center offers distance learning courses to on-campus and off-campus students enrolled for academic credit in the health professions or for continuing education.

Graduate courses are under development by UT Southwestern School of Health Professions faculty members. As courses are created, they will proceed through the usual phases of academic course review and approval. UT Southwestern does not offer, nor does it plan to offer at this time, full degree programs via distance education.

Tuition, Fees

Information concerning the current cost of an education at UT Southwestern

Students in doubt about their residency status for tuition purposes should consult the Residency Defined section in the “General Information” portion of the catalog.

The “General Information” site also describes the various fees and insurances needed by students at UT Southwestern. Contained within Student Information, these references include:

- Designated Tuition
- Tuition Installment Payments
- Computer Usage and Technology Fees
- Graduation Fee
- Health Insurance
- Disability Insurance
- Incidental Fees
- Laboratory Fee
- Late Registration Fee
- Malpractice Insurance Fee
- Medical Services Fee
- Returned Check Fee
- Student Services Fee
- Books and Equipment

- Parking
- Student Housing

Financial Aid

The “General Information” section of the catalog addresses the process of applying for and receiving financial aid.

Student Organizations

A number of organizations offer students opportunities for association with individuals of shared interests or backgrounds. Information on registered or sponsored student organization can be found in the “General Information” section of the catalog.

A list of organizations is available from the Bryan Williams, M.D. Student Center.

Commencement

The varying requirements of the Programs of the School of Health Professions result in different completion times. Degrees may be conferred at the end of each semester, but the commencement ceremony is held in December following the conclusion of the fall term.

All degree candidates are encouraged to participate in commencement exercises. Advancement or deferral of commencement is not permitted. All students who have completed degree requirements since the previous commencement will be listed in the commencement program.

Degrees earned are posted to the students' permanent academic records at the end of the semester in which all requirements are met. If required for employment or to substantiate credentials, a letter verifying completion of educational requirements may be obtained from the Department Chair or Program Director.

Alumni Association

The Alumni Association of UT Southwestern School of Health Professions was organized in 1994. The objectives of the Alumni Association are to promote and support education (including continuing education and lifelong learning) of health professionals. All graduates of the School become members of the Alumni Association upon completion of all academic requirements for graduation.

Degree Programs

The UT Southwestern School of Health Professions offers prospective students programs leading to Doctor of Philosophy in Applied Clinical Research, Doctor of Physical Therapy, Master of Clinical Nutrition, Master of Physician Assistant Studies, Master of Prosthetics-Orthotics, and Master of Radiation Therapy:

| Program | Degree of Certificate |
|-----------------------------|------------------------------|
| Applied Clinical Research | Ph.D. |
| Clinical Nutrition | M.C.N. |
| Physical Therapy | D.P.T. |
| Physician Assistant Studies | M.P.A.S. |
| Prosthetics-Orthotics | M.P.O. |
| Radiation Therapy | M.R.T. |

Each program is under the jurisdiction of the appropriate UT Southwestern School of Health Professions Department Chair or Program Director. Subject to approval of the Dean, each program has the responsibility to select applicants for admission, to evaluate the academic progress of students, to recommend which students will be regarded as candidates for degrees, and to administer all other aspects of the program.

Each Health Professions program welcomes inquiries about the academic program, including information about admissions or employment opportunities.

For more detailed information regarding programs of the UT Southwestern School of Health Professions, call or write:

Applied Clinical Research

214-648-1780; Email; ZIP code: 75390-8878

Clinical Nutrition

214-648-1520; Email; ZIP code: 75390-8877

Physical Therapy

214-648-1551; Email; ZIP code: 75390-8876

Physician Assistant Studies

214-648-1701; Email; ZIP code: 75390-9090

Prosthetics-Orthotics

214-648-1580; Email; ZIP code: 75390-9091

Radiation Therapy

214-648-1512; Email; ZIP code: 75390-9082

Office of the Dean

214-648-1500; Email; ZIP code: 75390-9082

Inquiries can be sent by email to addresses listed above, or letters should be addressed to the individual program at

UT Southwestern School of Health Professions
UT Southwestern Medical Center
5323 Harry Hines Blvd.
Dallas, TX (ZIP codes above)

Academic Calendar

The academic year at UT Southwestern School of Health Professions consists of three sessions. Most commonly, clinical work is accomplished during the summer term, but some programs also schedule class work during that period.

The fall semester begins on the third or fourth Monday in August. The summer term begins on the third or fourth Monday or Tuesday in May. Because of their diversity, not all programs operate on the same calendar schedule, and the student is urged to become familiar with the dates for his or her program. Commencement is held in December.

The Office of the Registrar publishes a detailed academic calendar each August. The student is urged to refer to it for current information.

Doctor of Applied Clinical Research

The primary goal of the Ph.D. Program in Applied Clinical Research is to provide rigorous research training for health professionals aspiring to pursue careers as independent clinician investigators in academic institutions, government agencies, and the private sector.

The program is designed to provide research training in patient-oriented research and clinically relevant basic/translational research for graduate-level health care professionals (holding a minimum of a master's degree).

All coursework is constructed to provide the skills

necessary to develop into an independent clinician scientist, with the curriculum largely focused on experimental design, methodology, and biostatistical analyses.

This innovative program, the first of its kind in Texas, has been created as a multidisciplinary collaboration between the School of Health Professions, the Medical School, and the Graduate School of Biomedical Sciences.

As one of the world's foremost research institutions, UT Southwestern fosters "no-fence" multidisciplinary research and rigorous scientific training in both basic and clinical research. The Ph.D. Program in Applied Clinical Research takes advantage of existing local expertise in the clinical/basic sciences and patient care, as well as the wealth of research resources available at the institution. Students will be involved in cutting-edge research with direct application to patient care. The program requires students to complete 48 hours of coursework, with dissertation.

Accreditation

The program is accredited under the authority of the Southern Association of Colleges and Schools Commissions on Colleges (SACSCOC).

Requirements for Admission

Applicants must have minimally earned a master's degree in an allied health or related profession to be eligible for consideration.

A finalized and submitted online application will include:

- Transcripts from all post-high school institutions (for determination of grade point average)
- Graduate Record Examination (GRE) general test scores
- Test of English as a Foreign Language (TOEFL) exam scores (for international applicants only)
- Three letters of recommendation (the names and email addresses of the references will be required at the time of application)
- A curriculum vitae or resume
- A personal statement describing background experiences, pertinent training, and personal motivation for a career in applied clinical research

When evaluating applicants, the Admission Committee will holistically consider the following:

- Letters of recommendation
- Grade point average
- GRE general test scores
- Undergraduate and graduate degree curriculum breadth and rigor
- Personal statement and motivation for a career in scientific research
- Personal integrity
- English language competency

Applicants deemed to be the most qualified will be extended an interview for a seat in the program. Offers to enroll in the program will be made based on a holistic evaluation of both the interview and all required submission materials.

Essential Functions

In addition to essential functions for all Health Professions students (see Entrance Requirements in the Student Information chapter), each student in the Applied Clinical Research Ph.D. Program must be able to:

1. Observe and perform laboratory and/or clinical tests in which human subjects, animals, chemicals, and/or biological materials (e.g. body fluids, culture materials, tissue sections) are tested for their physical attributes including, but not limited to, movement, force, texture, color, sound, odor, viscosity, and immunological, microbiological, and histochemical components.
2. Move freely and safely about a laboratory and clinic.
3. Recognize potentially hazardous material, equipment, and situations and proceed safely in order to minimize risk of injury to human subjects, self, and other individuals.
4. Control equipment and adjust instruments to perform laboratory procedures.
5. Travel to numerous laboratory/clinical sites.
6. Effectively, confidently, and sensitively converse with human research subjects.
7. Communicate effectively and efficiently with faculty

members, fellow students, staff, and other members of the research and health care community to convey information essential for studying and conducting research.

- 8. Manage the use of time to be able to systematize actions in order to complete professional and technical tasks with realistic constraints.
- 9. Support and promote activities of fellow students and health care and research professionals. Promotion of peers helps to facilitate a team approach to learning, task completion, problem solving, and patient care.
- 10. Be honest, compassionate, and responsible.
- 11. Demonstrate professional demeanor and behavior; perform in an ethical manner in all dealings with peers, faculty, staff, and patients.

Curriculum
Degree Requirements

The program curriculum is designed for full-time enrollment (nine hours per fall/spring semester; six hours per summer semester). A minimum of 36 hours of required and elective courses must be completed. An additional 12 credit hours are required for dissertation research. During dissertation research, the full-time semester credit load remains nine hours per fall/spring semester and six hours per summer semester. A total of 48 hours earned is required.

In total, degree requirements include completion of a combination of required courses, electives, research activities, and program milestones (including dissertation).

Coursework

All coursework (required and elective) has been designed to primarily provide training in experimental design, methodology, and biostatistical analyses. Training also will be given in scientific writing (grants and manuscripts), professional development, and teaching. Students will not undertake additional coursework specific to the professional field in which a minimum of a master’s degree was previously obtained.

Research Activities

In addition to coursework, students will be involved in research projects that will lead to a dissertation. Students will select a research adviser after participating in a minimum of two laboratory rotations. As part of these

research activities, beginning in year two of the program, students will give a Works-In-Progress (WIP) seminar on their own research and will be required to attend a seminar series on a weekly basis for at least two semesters.

Program Milestones

Students will be required to complete three program milestones as part of their degree requirements. These consist of a qualifying exam (write and defend a mock grant proposal), a dissertation proposal defense (present and defend idea for dissertation research), and a dissertation defense (write, present, and defend dissertation research).

Prescribed Sequence of Courses

The following is the sequence of required courses for the Ph.D. Program in Applied Clinical Research.

Introduction to Principles and Methods of Clinical and Translational Research
Biostatistics
Laboratory Rotations:
Techniques in Applied Clinical Research
Professional Development

Requirements

First Year

| | | |
|-----------|----------------------------|---|
| Fall | | |
| BSCI 5197 | ETHICS MODULE | 1 |
| CTM 5301 | CLIN RES DES & ANALY | 3 |
| ACR 5301 | BIostatISTICS I | 3 |
| ACR 5104 | LAB ROTATIONS: TECH IN ACR | 1 |
| ACR 5111 | PROFESSIONAL DEVELOPMENT I | 1 |
| Subtotal: | | 9 |

| | | |
|-----------|-----------------------------|--------|
| Spring | | |
| BSCI 5198 | ETHICS MODULE II | 1 |
| ACR 5302 | | 3 |
| ACR 5101 | GRANT WRITING I | 1 |
| ACR 5094 | RESEARCH PRACTICUM | 1 to 3 |
| ACR 5112 | PROFESSIONAL DEVELOPMENT II | 1 |
| Subtotal: | | 9 |

| | | |
|----------|------------------------------|--------|
| Summer | | |
| ACR 5102 | GRANT WRITING II | 1 |
| ACR 5094 | RESEARCH PRACTICUM | 1 to 3 |
| ACR 5113 | PROFESSIONAL DEVELOPMENT III | 1 |
| TBD | Elective Coursework | 2 |

Subtotal: 6**Second Year****Fall**

| | | |
|----------|-----------------------------|--------|
| ACR 5107 | DOCTORAL SEMINAR I | 1 |
| ACR 5099 | DISSERTATION | 3 to 9 |
| ACR 5201 | TEACH & LEARN HLTH CARE EDU | 2 |
| CTM 5114 | | 1 |
| TBD | Elective Coursework | 2 |

Subtotal: 9**Spring**

| | | |
|----------|---------------------|--------|
| ACR 5108 | | 1 |
| ACR 5099 | DISSERTATION | 3 to 9 |
| TBD | Elective Coursework | 5 |

Subtotal: 9**Summer**

| | | |
|----------|--------------|--------|
| ACR 5099 | DISSERTATION | 3 to 9 |
|----------|--------------|--------|

Subtotal: 6**Third Year*****Fall**

| | | |
|----------|--------------|--------|
| ACR 5099 | DISSERTATION | 3 to 9 |
|----------|--------------|--------|

Subtotal: 6**Spring**

| | | |
|----------|--------------|--------|
| ACR 5099 | DISSERTATION | 3 to 9 |
|----------|--------------|--------|

Subtotal: 6**Summer**

| | | |
|----------|--------------|--------|
| ACR 5099 | DISSERTATION | 3 to 9 |
|----------|--------------|--------|

Subtotal: 6**If needed***Subtotal: 48****Special Requirements**

Portions of the curriculum are sequenced. Therefore, some courses included in each semester or term are considered prerequisites to courses in the following semester. A student must complete each course with a minimum grade of C or Pass, depending on the course grading system, maintaining a cumulative GPA of at least 3.0, have no academic deficiencies, and no incompletes. The student is advised to consult the policy statement of the department upon admission to the program.

Graduation Requirements

A candidate for the Doctor of Philosophy in Applied

Clinical Research in the UT Southwestern School of Health Professions must meet all of the following requirements:

1. The student must demonstrate a high order of scholarly achievement including appropriate research competencies. The student's Dissertation Committee determines whether adequate mastery in research has been acquired.
2. The student must satisfactorily complete a minimum of 48 semester hours in the Applied Clinical Research Ph.D. Program at UT Southwestern School of Health Professions.
3. The student must discharge all financial obligations to the Medical Center. In the event of nonpayment, one or more actions may be taken by the Dean: a) readmission may be denied; b) the student's grades and official transcript may be withheld; and c) the degree to which the student would otherwise be entitled to may be withheld.
4. The student must maintain at least a 3.0 cumulative grade point average, have no academic deficiencies, and have no incompletes.
5. The student must complete the academic requirements listed in his or her degree plan by the times stated in the student's official letter of acceptance. The student is responsible for submitting official documentation of successful completion to the Office of Enrollment Services.
6. The student must complete all requirements for graduation within five years of the original date of matriculation unless an extension period is granted by the Program Director and approved by the Dean of the School of Health Professions.

Faculty**Program Director**

Scott A. Smith, Ph.D.; University of North Texas Health Science Center, 1999

Associate Dean for Research

Acting Chair, Department of Applied Clinical Research

Professors

Kim Hoggatt Krumwiede, Ph.D.; University of North Texas, 2016

Associate Dean for Academic Affairs

Acting Chair, Health Care Sciences

Scott A. Smith, Ph.D.; University of North Texas Health Science Center, 1999
Associate Dean for Research

Jon Williamson, Ph.D.; University of North Texas Health Science Center, 1992
Dean, Southwestern School of Health Professions

Associate Professors

Karen Brewer-Mixon, Ph.D., CRC; UT Southwestern, 1996
Associate Program Director

Kanji Matsukawa, Ph.D., MS.D.; Osaka University, Japan, 1983; Hiroshima University, Japan, 1991
Visiting Associate Professor

Masaki Mizuno, Ph.D.; Waseda University, Japan, 2005

Metin Yavuz, D. Eng.; Cleveland State University-Cleveland Clinic, 2007

Assistant Professors

Mu Huang, DPT, Ph.D.; Southern Methodist University, 2017

Gilberto Morales, Ph.D.; University of North Texas Health Science Center, 2016

Yi-Ting Tzen, Ph.D.; University of Pittsburgh, 2010

Jijia Wang, Ph.D.; Southern Methodist University, 2019

Master of Clinical Nutrition

The Master of Clinical Nutrition offers the opportunity to develop an advanced level of knowledge and skill so clinicians can provide medical nutrition therapy for complex nutritional issues of healthy and ill individuals at various stages of their life span.

The Master of Clinical Nutrition Coordinated Program provides didactic course work and supervised practice to meet the knowledge and competency requirements of the Academy of Nutrition and Dietetics Accreditation Council for Education in Nutrition and Dietetics. Graduates of this program are eligible to take the Commission on Registration exam for Dietitians and to apply for licensure in Texas. They also are eligible for active membership in the Academy of Nutrition and Dietetics.

Master of Clinical Nutrition Coordinated Program

Jump to:

- Accreditation
- Essential Functions
- International Applicants
- Graduate Outcomes
- Requirements for Admission

The Master of Clinical Nutrition Coordinated Program prepares students to address the nutrition and health needs of society as registered dietitian nutritionists. Registered dietitian nutritionists individualize nutrition therapy to optimize management of such diseases as diabetes, hypertension, renal failure, obesity, and cancer. The program uses the unique resources of the Medical Center to prepare entry-level graduates to become registered dietitian nutritionists capable of meeting the demands of the changing health care system. Having developed a strong knowledge base in clinical nutrition, graduates use food and nutrition information effectively in prevention and treatment of disease. Individualized experiences facilitate students' pursuit of their own career goals, whether in health care, in research, or as a nutrition authority for the public.

Graduate Outcomes

The goals of the Coordinated Program are to:

1. Prepare graduates to be competent entry-level dietitians.
2. Prepare graduates to meet the demands of the health care community in Texas, including the needs of pediatric and geriatric populations and diverse cultural groups.

The Coordinated Program aims to graduate team-oriented clinicians ready to function in acute, chronic, and community health care settings across Texas. With a concentration in nutrition therapy, the program builds on a science foundation to develop the skills to:

1. Assess the nutrition needs of individuals and provide nutrition counseling strategies for all ages (pediatrics to geriatrics), based on lifestyle and health status;
2. Provide medical nutrition therapy for patients of all

ages across a spectrum of settings, from wellness centers to intensive care and home care;

3. Integrate interpretation of biochemical parameters and medications in the nutrition-care process;
4. Function within interdisciplinary teams to provide nutrition support for patients with complex medical problems;
5. Provide culturally competent nutrition education and counseling to populations with diverse nutrition needs;
6. Incorporate knowledge of functional foods, phytochemicals, and food processing, as well as knowledge of nutrient gene interactions, to serve as a food and nutrition authority for the public through mass media and other nutrition information venues;
7. Interpret and use evidence-based research in practice as a registered dietitian nutritionist and formulate research hypotheses to advance evidence-based nutrition and dietetics practice
8. Lead and manage human, material, and financial resources in food and nutrition-related businesses.

Graduates of the program may assume positions in hospitals, clinics, long-term care facilities, and home health care agencies. They may focus on specialty areas such as pediatrics, diabetes, renal, weight management, nutrition support, or cancer. Others may pursue opportunities in sports nutrition, fitness and wellness programs, schools or universities, community health programs, and industry.

Accreditation

The Coordinated Program is granted accreditation with an emphasis in nutrition therapy by the Accreditation Council for Education in Nutrition and Dietetics of the Academy of Nutrition and Dietetics (www.eatright.org/CADE), 120 S. Riverside Plaza, Suite 2190, Chicago, IL 60606, 312-899-0040.

Requirements for Admission

The Admissions Committee of the Department of Clinical Nutrition determines the admissibility of an applicant into the program in accordance with the quality of his or her credentials. The Department works in cooperation with the Office of Enrollment Services of UT Southwestern Medical Center and with the approval of the Dean of UT Southwestern School of Health Professions. Admission

requirements are:

1. Baccalaureate degree from a regionally accredited institution prior to matriculation.
2. Completion of all admission course requirements prior to enrollment as outlined in the table below.
3. A recommended minimum of a 3.0 prerequisite and a 3.0 overall grade-point average.
4. Ability to perform essential functions as described in this chapter.
5. Completion of online application.
6. Official transcripts from all schools attended.
7. Three letters of recommendation;
8. Personal interview.
9. Personal statement of career goals.
10. Description of work experience.

Because admission into the Clinical Nutrition Coordinated Program is competitive and made on a space-available basis, special consideration in the selection process is given to:

1. Overall grade-point average;
2. Science and prerequisite grade-point average;
3. The three letters of recommendation;
4. Personal interview;
5. Personal statement of career goals; and
6. Work experience.

International Applicants

Foreign transcripts must be evaluated by a transcript evaluation agency; TOEFL or IELTS is required. Applicants may request a waiver for the TOEFL or IELTS requirement if they earned a degree from a school with classes taught in English or from an English-speaking country.

Essential Functions

In addition to essential functions for all students (see Entrance Requirements in the Student Information chapter), each student in the Clinical Nutrition Program

must be able to:

1. Participate in supervised practice activities for eight-hour days;
2. Demonstrate sufficient problem-solving skills to assess multifactorial aspects of nutritional care and organize and prioritize necessary tasks within time constraints;
3. Demonstrate sufficient vision, smell, and taste to evaluate the appearance, aroma, and flavor of food;
4. Demonstrate sufficient upper-body strength and manual dexterity to operate and clean household and institutional equipment required for food preparation and food service; and
5. Demonstrate sufficient vision to observe compliance with food sanitation and safety codes.

Curriculum

Jump to:

- Special Requirements
- First Year
- Second Year

The Master of Clinical Nutrition Coordinated Program is a full-time graduate program encompassing two years with six semesters. The curriculum includes both academic coursework and supervised practice. Supervised practice and classroom courses are offered during the typical workday; some coursework is available online.

Students have supervised practice in prominent Dallas health care facilities under the direction of both staff dietitians and faculty members who are registered dietitian nutritionists. Current trends in health care are considered as students train in ambulatory and long-term care facilities, home-health agencies, work site wellness programs, schools and community settings, and acute-care hospitals.

Program of Instruction

Requirements

First Year

Fall

| | | |
|---------|-----------------------------------|---|
| CN 5105 | NUTRITION AND METAB: CUR ISSUE | 1 |
| CN 5310 | NUTRITION CARE PROCESS | 3 |

| | | |
|----------|----------------------------------|---|
| CN 5422 | NUTRITION IN HEALTH PROMOTION | 4 |
| CN 5331 | FOOD SCIENCE AND TECHNOLOGY | 3 |
| CN 5340 | NUTRITION IN METABOLISM | 3 |
| CN 5250 | NUTRTN CARE PROC PRACTICUM | 2 |
| HCS 5106 | PROFESSIONAL DEVELOPMENT | 1 |

Subtotal: 16

HCS 5106: Yearlong course, completed in spring

Spring

| | | |
|----------|-----------------------------------|---------|
| CN 5311 | MED NUTRI THERAPY CHRONIC CARE | 3 |
| CN 5332 | FOOD SERVICE MANAGEMENT | 3 |
| CN 5341 | NUTRITN IN GROWTH AND DEV | 3 |
| CN 5002 | SPECIAL TOPICS | 0 to 16 |
| HCS 5330 | HEALTH CARE RESEARCH | 3 |
| CN 5351 | CHRONIC CARE MED NUTRI THERAPY | 3 |
| HCS 5106 | PROFESSIONAL DEVELOPMENT | 1 |

Subtotal: 17

Summer

| | | |
|---------|---------------------------------|---|
| CN 5312 | MED NUTRI THERAPY ACUTE CARE | 3 |
| CN 5242 | NUTRITION IN AGING | 2 |
| CN 5452 | ACT CARE MED NUTRI THRPY PR | 4 |

Subtotal: 9

Second Year

Fall

| | | |
|---------|---------------------------------|---|
| CN 5313 | MED NUTRI THERAPY PEDIATRICS | 3 |
| CN 5353 | ADV MED NUTRI THER PRACT | 3 |
| CN 5360 | EDUC & COMMUN NUTRI PRAC | 3 |
| CN 5370 | FOOD SERVICE PRACTICA | 3 |

Subtotal: 12

Spring

| | | |
|---------|----------------------------|---|
| CN 5223 | NUTRITION IN MEDIA COMM | 2 |
| CN 5233 | BUSINESS OF HEALTH CARE | 2 |

| | | |
|---------|--------------------------------|-------------------------------|
| CN 5954 | INTEGRATED NUTRITION PRACTICUM | 9 |
| | | Subtotal: 13 |
| Summer | | |
| CN 5390 | NUTRITION RESEARCH | 3 |
| CN 5002 | SPECIAL TOPICS | 0 to 16 |
| | | Subtotal: 4 |
| | | Total Credit Hours: 71 |

Special Requirements

For a student to enroll in any required course in the curriculum, all prerequisite courses must be completed with a grade of C or better. Failure to meet the specifications of a student's degree plan may prohibit that student from enrolling in the subsequent semester or from graduating from the program.

Master of Clinical Nutrition for Health Professionals

Prospective students planning to become a registered dietitian nutritionist should refer to the coordinated program track information above. The health professions track is not accepting students until further notice. The following information is for current students.

The Master of Clinical Nutrition for Health Professionals is designed to advance the skills and knowledge in nutrition of registered dietitian nutritionists and other licensed health professionals. Available to part-time students, this graduate degree program builds on current professional skills and exposes students to the latest clinical nutrition research. The degree is designed to prepare graduates for the growing challenges of caring for the health care needs of people in America.

Objectives

This graduate degree Program offers the opportunity to strengthen and extend professional health care skills to enhance opportunities for job flexibility and upward mobility. It includes opportunities to develop or refine the health care professional's ability to:

1. Use the nutrition diagnoses and other components of the nutrition care process in patient care and documentation;
2. Provide nutrition care in multiple health care settings,

from pediatrics to geriatrics;

3. Collaborate within interdisciplinary teams to provide nutrition support for patients with complex medical problems;
4. Provide culturally competent nutrition education to populations with diverse nutritional needs;
5. Serve as an authority on food and nutrition information for the public through mass media and other nutrition information venues; and
6. Conduct evidence-based research to support the practice of clinical nutrition.

Classes and research opportunities reflect the rich research and clinical care environment of UT Southwestern Medical Center. Students are exposed to current nutrition research. They interact with practicing health care professionals and researchers as they learn about evidence-based care and cost-effective treatment options. Classroom and research experiences facilitate students' pursuit of individual career goals in health care, research, or nutrition communications.

Requirements for Admission

The Master of Clinical Nutrition for Health Professionals Program is not accepting new applications for admission at this time.

Curriculum

Jump to:

- Graduation Requirements
- Required Courses
- Special Requirements
- First Year
- Second Year

Students in the program complete 36 semester hours. They may enroll as part-time or full-time students to complete the degree within a minimum of 15 months and a maximum of six years. Some classroom courses are offered during the typical workday; others are available online or scheduled in the early evening.

Program of Instruction

Requirements

| | | |
|---------------------|--------------------------------|---|
| Required Courses | | |
| CN 5310 | NUTRITION CARE PROCESS | 3 |
| CN 5311 | MED NUTRI THERAPY CHRONIC CARE | 3 |
| CN 5312 | MED NUTRI THERAPY ACUTE CARE | 3 |
| CN 5340 | NUTRITION IN METABOLISM | 3 |
| CN 5390 | NUTRITION RESEARCH | 3 |
| HCS 5330 | HEALTH CARE RESEARCH | 3 |
| Subtotal: 18 | | |

In addition, students must take six semester hours of Clinical Nutrition electives and 12 semester hours of general electives, for a total of 36 semester hours. General electives may be selected from CN courses and courses offered by other departments and schools within UT Southwestern.

Sample Curriculum Sequence

First Year

| | | |
|--------------------|-------------------------|---------|
| Fall | | |
| CN 5310 | NUTRITION CARE PROCESS | 3 |
| CN 5340 | NUTRITION IN METABOLISM | 3 |
| CN 5002 | SPECIAL TOPICS | 0 to 16 |
| Subtotal: 7 | | |

| | | |
|--------------------|--------------------------------|---------|
| Spring | | |
| CN 5311 | MED NUTRI THERAPY CHRONIC CARE | 3 |
| HCS 5330 | HEALTH CARE RESEARCH | 3 |
| CN 5002 | SPECIAL TOPICS | 0 to 16 |
| Subtotal: 7 | | |

| | | |
|--------------------|------------------------------|---------|
| Summer | | |
| CN 5312 | MED NUTRI THERAPY ACUTE CARE | 3 |
| CN 5002 | SPECIAL TOPICS | 0 to 16 |
| Subtotal: 4 | | |

Second Year

| | | |
|---------|-----------------------------|---|
| Fall | | |
| CN 5390 | NUTRITION RESEARCH | 3 |
| | Clinical Nutrition Elective | 3 |

General Elective 3
Subtotal: 9

Spring
CN 5390 NUTRITION RESEARCH 3
General Electives 6
Subtotal: 9

Summer
General Elective 3
Subtotal: 3

Special Requirements

See requirements listed under Master of Clinical Nutrition Coordinated Program.

Graduation Requirements

The Master of Clinical Nutrition for Health Professionals requires satisfactory completion of 36 semester credit hours and other criteria listed under graduation requirements for the Master of Clinical Nutrition Coordinated Program.

Graduation Requirements

A candidate for the degree of Master of Clinical Nutrition at UT Southwestern School of Health Professions must meet all of the following requirements:

1. The student must demonstrate a high order of scholarly achievement in clinical nutrition, including appropriate research and professional competencies. The program's Student Progress Committee determines whether adequate mastery has been acquired.
2. The student must complete satisfactorily the minimum semester hours at UT Southwestern School of Health Professions. For the Master of Clinical Nutrition Coordinated Program, the minimum is 71 semester hours.
3. The student must discharge all financial obligations to the Medical Center. In the event of nonpayment, one or more actions may be taken by the Dean: a) readmission may be denied; b) a student's grades and official transcript may be withheld; or c) the degree to which the student would otherwise be entitled may be withheld.
4. The student must maintain at least a 2.75 cumulative grade-point average, have no academic deficiencies,

and have no incompletes.

5. The student must complete the academic requirements listed on his or her degree plan, including completion of any academic deficiencies in prerequisite courses, by the time stated in the student's official letter of acceptance. The student is responsible for submitting official documentation of successful completion of the prerequisites to the Office of Enrollment Services.
6. The student must complete all required courses in the degree plan with a grade of C or higher (P for Pass/Fail courses) while maintaining at least a 2.75 cumulative grade-point average. Students in the Coordinated Program must receive practical evaluations reflecting an acceptable level of performance and professional conduct and complete all required supervised practice.
7. The student must successfully participate in a graduate research project.

Faculty

Chair

Jeffrey Browning, M.D., UT Southwestern, 1998

Professor

Gloria Lena Vega, Ph.D., Louisiana State University Medical Center, 1979

Associate Professor

Lona Sandon, Ph.D., Texas Woman's University, 2016

Assistant Professors

Hoda Yeganehjoo, Ph.D., Texas Woman's University, 2015

Susan G. Rodder, M.S., Texas Woman's University, 1991

Linda Anne Gilmore, Ph.D., RD, LDN, Texas A&M University, 2010

Justin Fletcher, Ph.D., University of Missouri, 2014

Instructors

Tad Campbell, M.C.N., UT Southwestern School of Health Professions, 2012

Michaela Carrington, M.S., University of Alabama, Birmingham, 1985

Kathleen Eustace, M.P.H., University of Texas Health Science Center, Houston, 2010

Alicia Gilmore, M.S., Oklahoma State University, 2002

Health Care Sciences

This Department provides basic and interdisciplinary courses available to all health professions Programs. In addition, it serves as an administrative base for the Prosthetics-Orthotics and Radiation Therapy Programs.

The Department is also home to the Division of Health Care Education and Research. The Division directs and supports interdisciplinary education and research, not only between UT Southwestern School of Health Professions Departments and Programs, but also within the entire Medical Center.

Enrollment in many courses in this section is restricted. Students interested in taking any of the following courses as electives should consult their advisers or the Office of the Dean.

Faculty

Acting Chair

Kim Hoggatt Krumwiede, Ph.D., CMI, University of North Texas, 2016

Professors

Gordon Green, M.D., UT Southwestern Medical Center, 1968

Jon W. Williamson, Ph.D., University of North Texas Health Science Center, 1992

Assistant Professors

Ramona Dorough, M.A., University of Texas at Tyler, 2013

Christopher Faulkner, Ph.D., University of North Texas, 2015

Yulia Piller, Ph.D., University of North Texas, 2016

Faculty Associates

Jay Gibson, Ph.D., University of Rochester, 1995

Kyle Molberg, M.D., University of Texas Medical School at Houston, 1985

Caroline Rinaldi, Ph.D., University of Kansas, 1999

Scott A. Smith, Ph.D., University of North Texas Health Science Center, 1999

Alisa Winkler, Ph.D., Southern Methodist University, 1990

Physical Therapy

The faculty of the Department of Physical Therapy at UT Southwestern School of Health Professions is committed to providing students with the highest quality of academic and clinical education, sufficient to attain licensure and yield graduate physical therapists who are autonomous clinical practitioners with a generalist background. Graduates from this Program will be prepared to assume leadership roles in rehabilitation services, prevention and health maintenance programs, and professional and community organizations.

The fundamental objective is to graduate students who will provide optimal physical therapy care for communities, groups, and individuals. To achieve the primary professional objective of facilitating the individual's optimal function within the community, the physical therapist must master substantial breadth and depth of knowledge in the basic and applied sciences, incorporate critical thinking skills, exercise humility, demonstrate integrity and professional behaviors, and bridge theory with practice.

The graduate must be able to examine, evaluate, diagnose, prognose, and intervene accurately in the management of impairments, functional limitations, and disabilities of the neuromuscular, cardiopulmonary, musculoskeletal, and integumentary systems. School of Health Professions graduates should be capable of preservation and restoration of movement and physical function through evidence-based clinical practice, interdisciplinary research, and professional education. Of equal importance, our graduates focus on promoting health and wellness as a means for improving the quality of life of their patients and clients.

Accreditation

The program is accredited by the Commission on Accreditation in Physical Therapy Education.

Requirements for Admission

Jump to:

- Prerequisite Courses

- Recommended Courses

- Essential Functions

Applicants for the Physical Therapy program must:

1. Complete a baccalaureate degree in any field prior to admission, with a recommended GPA of at least 3.0;
2. Earn credit in the following prerequisite courses with a grade of C or better prior to entrance into the Program;
3. Complete and submit scores for the Graduate Record Examination (completed in last five years);
4. Complete the application process through PTCAS; and
5. Submit at least three letters of recommendation.

Prerequisite Courses

| Course | Hours |
|--|-------|
| College Algebra | 3 |
| Statistics (must include hypothesis testing) | 3 |
| Physics (must be for science majors and include lab) | 8 |
| Chemistry (must be for science majors and include lab) | 8 |
| General Psychology* | 3 |
| Abnormal or developmental psychology* | 3 |
| Biology (general lower or upper division) | 8 |
| Human Anatomy | 4 |
| Human Physiology** | 4 |

*Child psychology or child developmental psychology will not satisfy the prerequisite.

**Exercise physiology will not satisfy the prerequisite. For Dallas, Tarrant, and Collin county colleges, BIOL 2401 and BIOL 2402 will satisfy both anatomy and physiology prerequisites.

Recommended Courses

- Medical Terminology
- Exercise Physiology (does not fulfill the Human Physiology requirement)
- Kinesiology

- Neurophysiology
- Child Psychology

The Physical Therapy Program accepts only full-time students. Factors considered for selection among applicants include cumulative GPA, last 60 hours GPA, prerequisite courses GPA, GRE scores, and individual qualities ascertained through the application, letters of recommendation, and an interview. Selection for admission to the Physical Therapy Program is highly competitive and is based on the criteria outlined in the Evaluation of Applicants section in the Student Information chapter.

Essential Functions

In addition to essential functions for all Health Professions students (above), each student in the Physical Therapy Program must be able to:

1. Participate in supervised clinical activities for 8-10 hour days (40-50 hours/week) up to 12 consecutive weeks;
2. Demonstrate sufficient vision to perform such tests as (but not limited to), reading and interpreting a medical record, inspecting and debriding wounds, performing observational movement analysis, and determining movement and gait deviations;
3. Demonstrate sufficient upper and lower body strength, coordination, and sensation to perform safe and appropriate techniques for activities such as (but not limited to) prolonged standing, manual muscle testing, guarding a patient, transferring a patient, palpation, soft tissue mobilization, joint mobilization, and cardiac resuscitation;
4. Demonstrate sufficient hearing to perform auscultation of the heart, blood vessels, and lungs;
5. Demonstrate sufficient problem solving skills to learn to make a differential diagnosis, establish appropriate treatment plans, determine effectiveness of those plans, and make appropriate modifications; and
6. Demonstrate professional demeanor and behavior; perform in an ethical manner in all dealings with peers, faculty, staff, and patients.

Curriculum

Jump to:

- Special Requirements (p. 24)
- First Year (p. 23)
- Second Year (p. 24)
- Third Year (p. 24)

The curriculum is a 31-month program that begins in May.

The curriculum offers professional education for students majoring in physical therapy. Students admitted to the Program are candidates for a Doctor of Physical Therapy degree (DPT) conferred by UT Southwestern Medical Center.

The academic experiences consist of theory in the basic, clinical, and professional sciences and professional skills. To be eligible to enter the clinical-education phase of the Program, a student must have satisfactorily completed all previous courses.

The clinical education courses provide an opportunity to integrate professional knowledge and skills in a clinical setting. These experiences are offered by more than 200 affiliated institutions throughout the United States but predominately in Texas. Each affiliated institution has a center coordinator for clinical education. Three eight-week and one 12-week full-time clinical experience provide students a broad exposure to both general and specialty areas of physical therapy.

Graduates of this Program are eligible to take the national licensure examination given by the Federation of State Boards of Physical Therapy.

Program of Instruction

Courses may be exchanged between semesters or terms without any published notice.

Requirements

First Year

| | | | |
|------------------|---------------------------|--|-----------|
| Summer | | | |
| HCS 5308 | HUMAN ANATOMY | | 3 |
| HCS 5309 | HUMAN ANATOMY DISS LAB | | 3 |
| HCS 5407 | HUMAN PHYSIOLOGY | | 4 |
| DPT 5139 | CLINICAL CORRELATION | | 1 |
| HCS 5207 | INTRO TO NEUROSCIENCE | | 2 |
| Subtotal: | | | 13 |

| | | | |
|----------|--------------|--|---|
| Fall | | | |
| HCS 5106 | PROFESSIONAL | | 1 |

| | | | | | |
|----------|------------------------------|---------------------|----------|------------------------------|---------------------|
| | DEVELOPMENT | | | | Subtotal: 13 |
| DPT 5140 | ELEMENTS OF PHARM FOR THE PT | 1 | Spring | | |
| DPT 5151 | PT PROCEDURES | 1 | DPT 5132 | EVIDENCE BASED CLIN RSCH III | 1 |
| DPT 5150 | PROFESSIONAL PRACTICE DEV I | 1 | DPT 5218 | ASSISTIVE TECH IN REHAB | 2 |
| DPT 5302 | THERAPEUTIC INTERVENTION I | 3 | DPT 5305 | MEDICAL PRACTICE MGMNT | 3 |
| HCS 5306 | INTRO TO PATHOLOGY | 3 | DPT 5316 | PROF PRACTICE MGMNT | 3 |
| DPT 5320 | TESTS & MEASUREMENTS | 3 | DPT 5317 | ADV THERAPEUTIC TECH | 3 |
| DPT 5351 | CLINICAL KINESIOLOGY | 3 | DPT 5344 | CARDIO/PULM PTNT/CLNT MGMNT | 3 |
| | | Subtotal: 15 | | | |

| | | | | | |
|----------|-------------------------------|---------------------|---------------------------------------|-------------------------|---------------------|
| Spring | | | | | Subtotal: 15 |
| HCS 5106 | PROFESSIONAL DEVELOPMENT | 1 | Third Year | | |
| DPT 5138 | INTEGUMENTARY PTNT/CLNT MGMNT | 1 | Summer | | |
| DPT 5236 | EVIDENCE-BASED CLIN RSCH I | 2 | DPT 5402 | | 4 |
| DPT 5237 | PATHOKINESIOLOGY | 2 | DPT 5403 | CLINICAL EXPERIENCE III | 4 |
| DPT 5257 | PROF PRACTICE DEV II | 2 | Subtotal: 8 | | |
| DPT 5304 | GERIATRIC PTNT/CLNT MGMNT | 3 | <i>DPT 5402 and DPT 5403: 8 weeks</i> | | |
| DPT 5431 | MUSCULOSKEL PTNT/CLNT MGMNT I | 4 | Fall | | |
| | | Subtotal: 15 | DPT 5604 | | 6 |
| | | | <i>DPT 5604: 12 weeks</i> | | |
| | | | Subtotal: 96 | | |

HCS 5106: Yearlong course, completed in spring

Second Year

| | | | | | |
|----------|--------------------------------|---------------------|--|--|--|
| Summer | | | | | |
| DPT 5133 | HUMAN DEVELOPMENT | 1 | | | |
| DPT 5330 | MUSCULOSKEL PTNT/CLNT MGMNT II | 3 | | | |
| DPT 5335 | THERAPEUTIC INTERVENTION II | 3 | | | |
| DPT 5340 | NEUROMUSC PTNT/CLNT MGMNT I | 3 | | | |
| DPT 5134 | SERVICE LEARNING PROJECT | 1 | | | |
| | | Subtotal: 11 | | | |

DPT 5134: Camp John Marc

| | | | | | |
|----------|-------------------------------|---|--|--|--|
| Fall | | | | | |
| DPT 5137 | EVIDENCE-BASED CLIN RSCH II | 1 | | | |
| DPT 5242 | NEUROMUSC PTNT/CLNT MGMNT II | 2 | | | |
| DPT 5306 | | 3 | | | |
| DPT 5342 | PREVENTION HLTH PROM AND WELL | 3 | | | |
| DPT 5401 | CLINICAL EXPERIENCE I | 4 | | | |

Special Requirements

The curriculum is sequenced; therefore, all courses included in each semester or term are considered prerequisites to any course in the following semester. A student must complete each course with a minimum grade of C and must maintain a cumulative GPA of at least 3.0, have no academic deficiencies, and have no incompletes. The student is advised to consult the Student Guidelines upon admission to the Program.

Graduation Requirements

A candidate for the Doctor of Physical Therapy degree in the UT Southwestern School of Health Professions must meet all of the following requirements:

1. The student must demonstrate a high order of scholarly achievement in physical therapy, including appropriate research and professional competencies. The Program's Student Progress Committee determines whether adequate mastery has been acquired.
2. The student must satisfactorily complete a minimum of 96 semester hours at UT Southwestern School of

Health Professions.

3. The student must discharge all financial obligations to the Medical Center. In the event of nonpayment, one or more actions may be taken by the Dean: a) readmission may be denied; b) the student's grades and official transcript may be withheld; and c) the degree to which the student would otherwise be entitled may be withheld.
4. The student must maintain at least a 3.0 cumulative grade-point average, have no academic deficiencies, and have no incompletes.
5. The student must complete the academic requirements listed in his or her degree plan, including completion of any academic deficiencies in prerequisite courses, by the times stated in the student's official letter of acceptance. The student is responsible for submitting official documentation of successful completion of the prerequisites to the Office of Enrollment Services.
6. Complete all requirements for graduation within five years of the original date of matriculation.

Faculty

Chair

Ross Querry, PT, Ph.D.

Vice Chair

Beth Deschenes, PT, DPT

Professors

Edward Mulligan, PT, DPT, ATC, Regis University, 2008
Board-certified clinical specialist in Orthopaedic and Sports Physical Therapy

Ross Querry, PT, Ph.D., University of North Texas Health Science Center, 1999

Associate Professors

Beth Deschenes, PT, DPT, Arcadia University, 2012
Board-certified clinical specialist in Orthopaedic Physical Therapy

Julie DeVahl, PT, DPT, Texas Tech University Health Science Center, 2014
Board-certified clinical specialist in Orthopaedic Physical Therapy

Karen McCain, PT, DPT, Regis University, 2006
Board-certified clinical specialist in Neurologic Physical Therapy

Susan Simpkins, PT, Ed.D., Columbia University, 1999

Jason Zafereo, PT, Ph.D., FAAOMPT, Texas Woman's University, 2015
Board-certified clinical specialist in Orthopaedic Physical Therapy

Assistant Professors

Traci Betts, PT, DPT, UT Southwestern Medical Center, 2010
Board-certified clinical specialist in Orthopaedic Physical Therapy

Tara Dickson, DPT, Ph.D., University of North Texas, 2019
Board-certified clinical specialist in Orthopaedic Physical Therapy

Emily Middleton, PT, DPT, UT Southwestern Medical Center, 2011
Board-certified clinical specialist in Orthopaedic Physical Therapy

Leslie Nelson, PT, Ph.D., Texas Woman's University, 2018
Board-certified clinical specialist in Orthopaedic Physical Therapy

Staci Shearin, PT, Ph.D., Texas Woman's University, 2018
Board-certified clinical specialist in Orthopaedic Physical Therapy

Instructor

Erin Perez, PT, DPT, Washington University, 2011
Board-certified clinical specialist in Neurologic Physical Therapy

Faculty Associate

Egle Bauzaite, PT, DPT, UT Southwestern Medical Center, 2013
Board-certified clinical specialist in Neurologic Physical Therapy

Heather Mowry, PT, DPT, UT Southwestern Medical Center, 2012
Board-certified clinical specialist in Neurologic Physical Therapy

Grant Myers, PT, DPT, University of Southern California,

1998

Board-certified clinical specialist in Orthopaedic Physical Therapy

Andrew Nasr, PT, DPT, UT Southwestern Medical Center, 2012

Board-certified clinical specialist in Orthopaedic Physical Therapy

Physician Assistant Studies

The Department of Physician Assistant Studies was established to prepare broadly trained health professionals to carry out patient-care functions traditionally performed only by a physician. Successful graduates of this Program will be prepared to conduct a sophisticated medical interview and physical examination, analyze laboratory data, and organize and integrate these findings. From the results, the graduate will be able to make assessments, diagnoses, and therapeutic plans to determine appropriate diagnostic and therapeutic steps. Graduates of this Program participate on the health care team by performing diagnostic and therapeutic procedures, prescribing medications, assisting in surgery, and coordinating the services of community-health agencies in order to serve the needs of the patient.

It is emphasized that a physician assistant (PA) is a nationally certified and state-licensed medical professional who practices medicine on health care teams with physicians and other health care professionals. They practice and prescribe medication in all 50 states, the District of Columbia, the majority of the U.S. territories, and the uniformed services.

Graduates of this Program are eligible to take the national certification examination given by the National Commission on Certification of Physician Assistants.

Accreditation

The Accreditation Review Commission on Education for the Physician Assistant (ARC-PA) has granted Accreditation-Continued status to the Physician Assistant Program sponsored by UT Southwestern. Accreditation-Continued is an accreditation status granted when a currently accredited program is in compliance with the ARC-PA standards.

Accreditation remains in effect until the Program closes or withdraws from the accreditation process or until accreditation is withdrawn for failure to comply with the standards. The approximate date for the next validation review of the Program by the ARC-PA will be March

2023. The review date is contingent upon continued compliance with the standards and ARC-PA policy.

Requirements for Admission

Applicants to the Physician Assistant Studies Program are required to have a baccalaureate degree from a regionally accredited U.S. or Canadian institution prior to matriculation. Three letters of reference are required with the application. Applicants must submit official scores from the Graduate Record Examination (GRE) in order to be received by Sept. 1 of the year of application submission. The GRE is not required of applicants who have a U.S.-acquired master's degree or higher. A minimum grade-point average of 3.0 in science courses and 3.0 overall are required for admission, along with the following prerequisite coursework:

| Course | Hours |
|--------------------|-------|
| Human Anatomy* | 4 |
| Human Physiology* | 4 |
| Genetics | 3 |
| General Chemistry* | 8 |
| Organic Chemistry* | 4 |
| Microbiology* | 4 |
| General Psychology | 3 |
| Statistics | 3 |

*Science courses must be for science majors and include a laboratory.

All prerequisite courses must be completed with a grade of C or better and taken within the last 10 years. Additionally, all prerequisite courses must be completed by the date the application is submitted.

Recommended Electives

- Pharmacology
- Immunology
- Spanish
- Medical Terminology
- Biochemistry
- Human Sexuality
- Cellular Biology

Factors considered for selection of applicants are cumulative grade-point average, science grade-point average, consistency or improvement in academic performance, attitude, communication skills, leadership, and personal qualities such as maturity, empathy, and career motivation. Direct patient-care experience in a health care setting is highly recommended.

Admission to the Physician Assistant Studies Program is competitive and is based on the criteria outlined in the Evaluation of Applicants section of the Student Information chapter.

Essential Functions

In addition to essential functions for all degree candidates, each degree candidate in the Physician Assistant Studies Graduate Program must be able to:

1. Participate in supervised clinical activities for extended periods of time, including rotations that require overnight call;
2. Demonstrate sufficient vision to perform tasks such as (but not limited to) wound care and skin lesion identification;
3. Demonstrate sufficient hearing to perform auscultation of the heart and vessels, breath sounds, and abdominal sounds;
4. Demonstrate sufficient upper and lower body strength, coordination, dexterity, and sensation to perform such activities as (but not limited to) prolonged standing, complete physical examination, and surgical and clinical procedures such as suturing, casting, venipuncture, emergency procedures, and basic and advanced cardiac life support;
5. Demonstrate sufficient problem-solving skills to learn to make a differential diagnosis, establish appropriate treatment plans, determine effectiveness of those plans, and make appropriate modifications; and
6. Demonstrate professional demeanor and behavior; perform in an ethical manner in all dealings with peers, faculty, staff, and patients.

Curriculum

Jump to:

- Clinical Phase
- Didactic Phase

• Special Requirements

This 30-month professional curriculum is composed of four didactic semesters of lecture and bedside demonstration in basic medical and behavioral sciences and four semesters of clinical rotations in various clinical disciplines.

During the clinical phase of the curriculum, students participate in the activities of a health care team in order to apply medical principles of patient care and to gain experience in actual patient care. Clinical training occurs in a diverse mixture of outpatient facilities across the North Texas area and in teaching hospitals with formal affiliations with UT Southwestern Medical Center to include William P. Clements Jr. University Hospital, Zale Lipshy Pavilion – William P. Clements Jr. University Hospital, and Parkland Memorial Hospital.

Instructional Phase

Didactic Phase

Because the Program curriculum is structured as a continuous sequence, where each semester requires sequential completion of previous semesters, all students must progress in the same order and the same timetable.

Requirements

Summer

| | | |
|----------|---------------------------|---------------------|
| MPA 5101 | PROF PRACTICE ISSUES I | 1 |
| HCS 5207 | INTRO TO NEUROSCIENCE | 2 |
| HCS 5308 | HUMAN ANATOMY | 3 |
| HCS 5309 | HUMAN ANATOMY DISS LAB | 3 |
| HCS 5407 | HUMAN PHYSIOLOGY | 4 |
| | | Subtotal: 13 |

HCS 5308: Lecture

Fall

| | | |
|----------|-----------------------------|---------------------|
| MPA 5102 | INTEGRATION SKILLS | 1 |
| MPA 5215 | PHARMACOLOGY I | 2 |
| MPA 5305 | PATIENT EVALUATION I | 3 |
| MPA 5509 | CLINICAL MEDICINE I | 5 |
| HCS 5306 | INTRO TO PATHOLOGY | 3 |
| HCS 5106 | PROFESSIONAL DEVELOPMENT | 1 |
| | | Subtotal: 14 |

Spring

| | | |
|----------|----------------------------|---|
| MPA 5103 | INTEGRATION SKILLS II | 1 |
| MPA 5130 | EVIDENCE-BASED MEDICINE | 1 |
| MPA 5204 | CLIN PREVEN & | 2 |

| | | |
|----------|--------------------------|---|
| | POPULATION HLTH | |
| MPA 5206 | PATIENT EVALUATION II | 2 |
| MPA 5216 | PHARMACOLOGY II | 2 |
| MPA 5510 | CLINICAL MEDICINE II | 5 |
| HCS 5106 | PROFESSIONAL DEVELOPMENT | 1 |

Subtotal: 14*HCS 5106: Yearlong course, completed in spring***Summer**

| | | |
|----------|------------------------|---|
| MPA 5208 | CLINICAL SKILLS | 2 |
| MPA 5231 | PSYCHIATRY | 2 |
| MPA 5307 | PATIENT EVALUATION III | 3 |
| MPA 5511 | CLINICAL MEDICINE III | 5 |

Subtotal: 12*Total didactic hours: 53***Clinical Phase**

| | | |
|----------|----------------------------|---|
| MPA 5350 | PROFESSIONAL PRACT II | 3 |
| MPA 5422 | WOMEN'S HEALTH | 4 |
| MPA 5423 | PEDIATRICS | 4 |
| MPA 5428 | CLINICAL ELECTIVE | 4 |
| MPA 5430 | PSYCHIATRY | 4 |
| MPA 5432 | EMERGENCY MEDICINE | 4 |
| MPA 5433 | SURGERY | 4 |
| MPA 5450 | DIRECTED STUDY | 4 |
| MPA 5451 | INFECTIOUS DISEASE | 4 |
| MPA 5830 | INTERNAL MEDICINE | 8 |
| MPA 5831 | FAMILY MEDICINE | 8 |
| MPA 5832 | PRIMARY CARE PRECEPTORSHIP | 8 |

Subtotal: 112

Special Requirements

Students are expected to maintain a high academic performance and display appropriate professional and ethical behavior during all phases of their education.

Students must maintain a cumulative GPA of 2.75 or better in all didactic phase courses in order to participate in clinical rotations. Adequate clinical knowledge and judgment and appropriate professional behavior are factors determining satisfactory performance. All academic and professional behavior policies are detailed in the Department of Physician Assistant Studies' Student Guidelines.

Graduation Requirements

A candidate for the degree of Master of Physician Assistant Studies at UT Southwestern School of Health Professions must meet all of the following requirements:

1. The student must demonstrate a high order of scholarly achievement in the Department of Physician Assistant Studies, including appropriate professional competencies. The program's Committee on Student Progress determines whether adequate mastery has been acquired.
2. The student must complete satisfactorily a minimum of 112 semester hours at UT Southwestern School of Health Professions.
3. The student must discharge all financial obligations to the Medical Center. In the event of nonpayment, one or more actions may be taken by the Dean: a) readmission may be denied; b) a student's grades and official transcript may be withheld; and c) the degree to which the student would otherwise be entitled may be withheld.
4. The student must maintain at least a 2.75 cumulative GPA, have no academic deficiencies, and have no incompletes. An "F" (or failure to pass) in any required subject must be removed prior to graduation.
5. The student must complete the academic requirements listed on his or her degree plan, including completion of any academic deficiencies in prerequisite courses, by the times stated in the student's official letter of acceptance. The student is responsible for submitting official documentation of successful completion of the prerequisites to the Office of Enrollment Services.
6. The student must pay a graduation fee designated to partially offset the costs associated with the diploma and diploma cover production, regalia, and the commencement ceremony. All students completing a degree or certification must pay the fee without regard to whether they attend the commencement ceremony or not.
7. The student must complete all required courses in the degree plan. For courses with letter grades, a grade of C or higher must be achieved in every class, with the exception of MPA 5509, MPA 5510 and MPA 5511, in which minimum grades of B must be achieved. For courses graded Pass/Fail, a grade of Pass must be achieved. A cumulative grade-point average of 2.75 must be maintained. The student must successfully complete all clinical rotations. Clinical evaluations must reflect an acceptable level of performance and professional conduct.
8. The student must complete and submit a Physician

Assistant Clinical Knowledge Rating and Assessment Tool (PACKRAT) examination following completion of the didactic curriculum and again after completion of the majority of clinical rotations.

9. The student must successfully complete all required summative assessments at the end of the clinical curriculum.
10. The student must successfully complete a graduate project as approved by program faculty.
11. The student must complete all requirements for graduation within five consecutive years of the original date of matriculation.

Faculty

Chair and Program Director

Temple Howell-Stampley, M.D., M.B.A., FACP

Medical Director

Laurette K. Dekat, M.D., M.P.H.

Professors

Temple Howell-Stampley, M.D., M.B.A., FACP
P. Eugene Jones, Ph.D., PA-C Professorship in Physician Assistant Studies
M.D., East Carolina University School of Medicine, 1993;
MBA, The University of Texas at Dallas, 2015

Associate Professors

Carolyn Bradley-Guidry, Dr.PH., M.P.A.S., B.S., B.S.N.
Dr.PH., University of North Texas, 2019; M.P.A.S.,
University of Nebraska Medical Center, 2006; B.S., UT
Southwestern Medical Center, 1998, B.S.N, Texas
Christian University, 1987

David Klocko, M.P.A.S., B.S.
Distinguished Teaching Professor
M.P.A.S., University of Nebraska Medical Center, 1998;
B.S., King's College, 1986

Venetia L. Orcutt, Ph.D., M.B.A., B.S.
Distinguished Teaching Professor
Ph.D., University of North Texas, 2007; M.B.A.,
University of Dallas, 1994; B.S., UT Southwestern
Medical Center, 1984

Michel Statler, M.L.A., B.S.
M.L.A., Southern Methodist University, 2000; University
of Alabama, 1980

Assistant Professors

Veronica Coleman, M.P.A.S., B.S.
M.P.A.S., Louisiana State University Health Sciences
Center, 2012; B.S., LSU Health Sciences Center, 2010,
B.S., Louisiana Tech University, 2002

Laurette K. Dekat, M.D., M.P.H.
M.D., University of Texas Health Science Center at
Houston, 1993; M.P.H., Johns Hopkins Bloomberg School
of Public Health, 1987

Bethany Grubb, M.P.H., M.P.A.S., B.S.
M.P.H., University of Texas Health Science Center at
Houston, 2014; M.P.A.S., University of Nebraska, 2003;
B.S., UT Southwestern Medical Center, 2002; B.S., Baylor
University, 1999

Laurie A. Hill, M.H.S., B.A.
M.H.S., Quinnipiac University, 1996; B.A., Southern
Connecticut State University, 1990

Elizabeth Johnston, M.S., Brigham Young University,
2003; M.S., A.T. Still University, 2005

Laura Mattingly, M.H.S., University of South Alabama,
2003; B.S., University of South Alabama, 2001.

Bau P. Tran, Pharm.D., M.M.S., B.S.
Pharm.D., University of Oklahoma College of Pharmacy,
2000; M.M.S., Saint Francis University, 2008; B.S.,
University of Oklahoma College of Pharmacy, 1997

Prosthetics-Orthotics Program

The Prosthetics-Orthotics Program offers a solid foundational knowledge based in related sciences and teaches the clinical, professional, and technical skills sufficient to enter residency training. Graduates from this Program are trained to meet the needs of patients requiring either replacement of a partially or totally absent limb, or fitting of a brace to a disabled spine or limb. Graduates will function as leaders in prosthetic-orthotic practices and serve as active members of interdisciplinary health care teams, collaborating with other health care professionals in rehabilitating people with chronic disabling illnesses, injuries, or birth defects.

Successful graduates will have the necessary skills to assess physical and functional deficits using a variety of evaluation procedures and measurements to determine the nature and extent of the patient's needs and plan a treatment approach based on an analysis of individual patient needs, fabricate and fit prosthetic-orthotics devices, assess the effectiveness of the fit and function of devices,

and make appropriate adjustments when indicated. Furthermore, Program graduates will have the preliminary skills needed to pursue research and development in the field of prosthetics-orthotics and will be able to contribute to clinical research, professional meeting scientific content, and publish articles in professional journals.

Accreditation

To ensure that graduates are eligible for certification and licensure, the Master of Prosthetics-Orthotics Program has earned accreditation from the Commission on Accreditation of Allied Health Education Programs upon the recommendation of the National Commission on Prosthetic & Orthotic Education.

Requirements for Admission

The Admissions Committee of the Prosthetics-Orthotics Program determines the admissibility of an applicant into the Program in accordance with the quality of his or her credentials. An interview is required. In addition to the general admission requirements specified in the Student Information section of this catalog, applicants to the program must satisfy the following requirements:

1. Complete a bachelor's degree from a regionally accredited institution by the end of May of the year you apply. (A prosthetics and orthotics-related major, such as biomechanical engineering, biomechanics, biology, or applied physiology is recommended);
2. Earn the minimum recommended cumulative and science GPA of 3.0 on a 4.0 scale in science and overall;
3. Complete and submit an online application with OPCAS available mid-July;
4. Submit three letters of recommendation (instructor, employer, undergraduate adviser, volunteer experience, or leadership position supervisor, other academic/research mentor);
5. Have visited, shadowed, volunteered, or worked in a prosthetic-orthotic clinic;
6. Submit a Graduate Record of Examination score (Scores are acceptable within five years of taking the exam.);
7. Complete the 37 semester hours of specific prerequisite courses (listed below).

| Master of Prosthetics-Orthotics Prerequisite Courses | Hours |
|---|--------------|
| Biology with lab (for science majors)* | 8 |
| Human Anatomy and Physiology with lab** | 8 |
| Physics with lab (for science majors)* | 8 |
| Chemistry with lab (for science majors) | 4 |
| College Algebra or higher | 3 |
| Statistics | 3 |
| Psychology (Human Growth and Development or Abnormal) | 3 |
| Total Credit Hours | 37 |

*All required science classes must be for science majors and include a laboratory component.

**Courses must have been taken within the last 8 years.

The prerequisite courses must be completed with a grade of C or better. Prerequisite courses are not offered at UT Southwestern. Classes begin in late May each year. The length of the Program is five semesters.

Essential Functions

In addition to essential functions for all Health Professions students (above), each student in the Prosthetics-Orthotics Program must be able to:

1. Participate in supervised clinical activities for eight-hour days;
2. Demonstrate sufficient vision to perform such tasks as (but not limited to) interpreting a medical record, inspecting wounds, and determining gait deviations;
3. Physically and visually utilize chemicals and power tools while following all appropriate safety precautions;
4. Demonstrate the physical capability to work in a prosthetics and orthotics laboratory for four-hour periods; and
5. Demonstrate sufficient arm strength, balance, coordination, and sensation to perform such activities as (but not limited to) patient casting, manual muscle testing, range-of-motion testing, and soft tissue and bony evaluations.

Curriculum

The Prosthetics-Orthotics Program curriculum leads to a master's degree with academic eligibility to take the certification examinations of the American Board for Certification in Orthotics, Prosthetics and Pedorthics.

The faculty combines educational, professional, and technical skills in a coordinated approach to the academic and clinical aspects of the student's education, offering an opportunity to attain the basic competencies necessary for an entry-level prosthetist and orthotist. Students also engage in research projects and community service as a part of their learning experience.

Program of Instruction

Requirements

First Year

Summer

| | | |
|----------|--------------------------------|---|
| HCS 5308 | HUMAN ANATOMY | 3 |
| HCS 5309 | HUMAN ANATOMY DISS LAB | 3 |
| HCS 5407 | HUMAN PHYSIOLOGY | 4 |
| HCS 5207 | INTRO TO NEUROSCIENCE | 2 |
| MPO 5101 | INTRO TO LAB SKILLS AND MAT | 1 |

Subtotal: 13

HCS 5308: Lecture

Fall

| | | |
|----------|-----------------------------------|---|
| MPO 5102 | CLINICAL EVALUATION TOOLS | 1 |
| HCS 5306 | INTRO TO PATHOLOGY | 3 |
| MPO 5203 | BIOMECHANICS OF HUMAN MOVEMENT | 2 |
| MPO 5504 | ORTHOTIC MGMT OF LOWER LIMB I | 5 |
| MPO 5505 | PROS MGMT OF LOWER LIMB I | 5 |
| HCS 5106 | PROFESSIONAL DEVELOPMENT | 1 |

Subtotal: 16

HCS 5106: Yearlong course, completed in spring

Spring

| | | |
|----------|-----------------------------------|---|
| MPO 5106 | BIOMECH OF HUMAN MVMNT II | 1 |
| MPO 5407 | ORTHOTIC MGMT OF LOWER LIMB II | 4 |
| MPO 5308 | ORTHOTIC MGMT OF THE | 3 |

| | | |
|----------|--------------------------------|---|
| | SPINE | |
| MPO 5409 | PROS MGMT OF LOWER LIMB II | 4 |
| HCS 5230 | HEALTH CARE RESEARCH | 2 |
| HCS 5106 | PROFESSIONAL DEVELOPMENT | 1 |
| MPO 5103 | INTRO TO LAB SKILLS & MAT 2 | 1 |

Subtotal: 16

MPO 5103: Elective, students may enroll once in either their 3rd, 4th or 5th semester, space permitting

Second Year

Summer

| | | |
|----------|----------------------------------|---|
| MPO 5310 | PROSTHETIC MGMT OF UPPER LIMB | 3 |
| MPO 5411 | CLINICAL EXPERIENCE | 4 |
| MPO 5112 | CLINICAL RESEARCH I | 1 |

Subtotal: 8

Fall

| | | |
|----------|--------------------------------|---|
| MPO 5313 | ORTHOTIC MGMT OF UPPER LIMB | 3 |
| MPO 5115 | CLINICAL RESEARCH II | 1 |
| MPO 5416 | CONTEMP PRAC AND SYNTH | 4 |

Subtotal: 8

Subtotal: 61

Graduation Requirements

A candidate for the degree of Master of Prosthetics-Orthotics must meet all the following requirements:

1. The student must demonstrate a high order of scholarly achievement in prosthetics-orthotics, including appropriate professional competencies. The Program's Student Progress Committee determines whether adequate mastery has been acquired.
2. The student must complete satisfactorily a minimum of 60 semester hours at UT Southwestern School of Health Professions.
3. The student must discharge all financial obligations to the Medical Center. In the event of nonpayment, one or more actions may be taken by the Dean: a) readmission may be denied; b) the student's grades and official transcript may be withheld; and c) the degree to which the student would otherwise be entitled may be withheld.
4. The student must maintain at least a 2.7 cumulative

grade-point average, have no academic deficiencies, and have no incompletes.

5. The student must complete the academic requirements listed on his or her degree plan, including completion of any academic deficiencies in prerequisite courses, by the times stated in the student's official letter of acceptance. The student is responsible for submitting official documentation of successful completion of the prerequisites to the Office of Enrollment Services.
6. The student must pay a graduation fee designated to partially offset the costs associated with diploma and diploma cover production, regalia, and the commencement ceremony. All students completing a degree or certification must pay the fee whether they attend the commencement ceremony or not.
7. The student must complete all requirements for graduation within five consecutive years of the original date of matriculation.

Faculty

Program Director

Leslie Gray, M.Ed., CPO, LPO, FAAOP

Associate Professor

Metin Yavuz, D.Eng
Cleveland State University, 2007

Assistant Professors

Tiffany Graham, CPO, M.S.P.O., FAAOP
MPISO, Georgia Institute of Technology, 2007; B.S., Trinity University, 2005, Fellow American Academy of Orthotists and Prosthetists, 2019

Leslie Gray, M.Ed, CPO, LPO, FAAOP.
M.Ed., University of Texas at Brownsville, 2007; B.S., UT Southwestern Medical Center, 2002; Fellow American Academy of Orthotists and Prosthetists, 2016

Miguel N. Mojica, B.S., CPO, LPO
B.S., UT Southwestern Medical Center, 1987

Kirsten Tulchin-Francis, Ph.D.
Ph.D., Texas Woman's University, 2012; M.S., Marquette University, 2001; B.S., Trinity College, 1998

David G. Wilson, M.P.O., CPO, LPO, FAAOP
M.P.O., UT Southwestern Medical Center, 2011; B.S., The College of William and Mary, 2010, Fellow American

Academy of Orthotists and Prosthetists, 2017

Postdoctoral Research Associate

Ali Ersen, Ph.D.
Ph.D., New Jersey Technical Institute of Technology/Rutgers University of Biomedical and Health Sciences, 2015

Instructor

Nathan Sutti, MBA, CPO, LPO, CTPO
MBA, Texas Woman's University, 2014; B.S., UT Southwestern Medical Center, 2009

Radiation Therapy

The Master of Radiation Therapy Program is a full-time curriculum that comprises six semesters of intensive study. Students in the Program can expect to be involved in either didactic classes or clinical rotations five days a week (Monday through Friday) for approximately 40 hours. Classes and clinical rotations are usually held during normal weekday business hours. The Program does not offer weekend or online classes.

The curriculum is a competency-based clinical learning experience that prepare learners to perform as an entry-level radiation therapist. First-year Program courses strengthen knowledge of the health care industry, patient care, oncologic pathology, radiobiology, medical physics, sectional anatomy, and dosimetry. Second-year courses integrate these ideas into more advanced concepts encompassing clinical oncology, treatment planning, patient simulation, and treatment delivery.

The experiences in the classroom are complemented by hands-on clinical experience in radiation simulation, treatment, and patient care. Clinical rotations give students the opportunity to achieve competence and confidence in the treatment of patients with ionizing radiation.

The curriculum is sequenced to create an effective and efficient path for learning. Many of the courses in a given semester are prerequisites for the courses that follow in the next semester. Some sequencing may change from year to year without notice. Please note: Practicing radiographers who have already taken radiation biology and pathology courses still need to take these Program courses because of their focus on cancer treatment.

Accreditation

The Radiation Therapy Program is accredited by the Joint

Review Committee on Education in Radiologic Technology (20 N. Wacker Drive, Suite 2850; Chicago, IL 60606-3182; 312-704-5300).

Requirements for Admission

Master of Radiation Therapy

The Admissions Committee for the Radiation Therapy Program determines the admissibility of an applicant based on prerequisite coursework, degree completed, GRE scores, essay, recommendation letters, and interview scores.

The application process consists of submitting all application materials, completing 24 hours of clinical observation, and attending an interview with the Admissions Committee.

Radiation Therapy Program students must meet all UT Southwestern School of Health Professions general admission requirements.

1. Bachelor's degree from a regionally accredited college or university (recommended in Sciences or Health Sciences);
2. Minimum cumulative grade-point average of 2.7 on a 4.0 scale;
3. Minimum cumulative GPA of 2.7 on a 4.0 scale in natural science;
4. A grade of C or better on all prerequisite coursework;
5. If an international student, submission of TOEFL scores;
6. GRE test scores;
7. Complete and submit an online application;
8. Submit three letters of recommendation (from undergraduate advisers, instructors or professors, employers, or volunteer supervisors);
9. Complete an on-campus interview;
10. Complete the radiation therapy prerequisite courses listed below.

Master of Radiation Therapy Prerequisite Courses

Component Areas

Communication

English Composition (3 Credits)

ENGL 1301

Or

ENGL 1302

Or

ENGL 2311

Or

ENGL 2321

Or

ENGL 2326

Or
equivalent

Speech* (3 Credits)

SPCH 1311

Or
equivalent

Mathematics*

Pre-Calculus (3 Credits)

MATH 2412

Or
equivalent

Natural Sciences

Chemistry* (4 Credits)

CHEM 1405

Or
equivalent

Physics* (8 Credits)

PHYS 1401

Or

PHYS 1402

Or
equivalent

Anatomy and Physiology* (8 Credits)

BIOL 2401

Or

BIOL 2402

Or
equivalent

*All required science courses must be for science majors and include a laboratory.

*Higher level courses may be substituted. For example, calculus can be substituted for pre-calculus.

*Highly recommend that applicants complete a course in interpersonal communication.

*Highly recommend to applicants who have completed prerequisite coursework no more than five years prior to enrollment in the program. Please contact the Program office for more information as additional science and math courses may be required.

Essential Functions

In addition to essential functions for all students (see Entrance Requirements in the Student Information chapter), each student in the Radiation Therapy Program must be able to:

1. Participate in supervised clinical activities, including walking and standing, for eight-hour days in assigned clinical area;
2. Demonstrate sufficient vision acuity to monitor patients, input data, read computer monitors, and distinguish markings in dim lighting;
3. Demonstrate sufficient strength to lift, carry, and move items weighing up to 40 pounds;
4. Distinguish and interpret audio signals from equipment;
5. Demonstrate sufficient upper- and lower-body strength to move, lift, and transport patients; and
6. Reason, analyze, synthesize, integrate, and apply knowledge to be clinically competent, critical thinkers, effective communicators, and to demonstrate professionalism.

Curriculum

Requirements

First Year

Summer

| | | |
|----------|---------------------------|---|
| HCS 5308 | HUMAN ANATOMY | 3 |
| HCS 5309 | HUMAN ANATOMY DISS LAB | 3 |
| HCS 5407 | HUMAN PHYSIOLOGY | 4 |
| RT 5101 | | 1 |
| RT 3201 | | 2 |

Subtotal: 13

| | | |
|----------|-----------------------------|---|
| Fall | | |
| RT 5201 | | 2 |
| RT 5102 | | 1 |
| HCS 5306 | INTRO TO PATHOLOGY | 3 |
| RT 5303 | | 3 |
| HCS 5106 | PROFESSIONAL DEVELOPMENT | 1 |
| RT 3203 | | 2 |
| RT 5203 | | 2 |
| RT 5207 | | 2 |

Subtotal: 15

HCS 5106: 1 hour awarded in spring semester

Spring

| | | |
|----------|-----------------------------------|---|
| RT 3212 | SECTIONAL ANATOMY | 2 |
| RT 5401 | ADV RADIOTHERAPY & MED PHYSICS | 4 |
| RT 5307 | RT EVIDENCE-BASED RSRH I | 3 |
| RT 5206 | HEALTH LAW AND POLICIES | 2 |
| HCS 5106 | PROFESSIONAL DEVELOPMENT | 1 |
| RT 5207 | | 2 |
| HCS 5330 | HEALTH CARE RESEARCH | 3 |

Subtotal: 17

Second Year

Summer

| | | |
|---------|-----------------------------------|---|
| RT 5308 | RT EVIDENCE-BASED RSRH II | 3 |
| RT 5202 | CLINICAL PRACTICUM I | 2 |
| RT 5211 | HLTHCARE OUTCOMES/QUALITY MGMT | 2 |
| RT 5212 | EMERGING TECHNOLOGY IN RT | 2 |
| RT 3314 | MEDICAL DOSIMETRY I | 3 |
| RT 5304 | CLINICAL RADIATION ONCOLOGY II | 3 |

Subtotal: 15

Fall

| | | |
|---------|------------------------|---|
| RT 4315 | MEDICAL DOSIMETRY II | 3 |
| RT 5502 | CLINICAL PRACTICUM II | 5 |
| RT 5503 | CLINICAL PRACTICUM III | 5 |

Subtotal: 13

Spring

| | | |
|---------|------------------------|---|
| RT 5504 | CLINICAL PRACTICUM IV | 5 |
| RT 5310 | CAPSTONE PROJECT IN RT | 3 |
| RT 5505 | CLINICAL PRACTICUM V | 5 |

Subtotal: 12

Faculty

Interim Program Director

Sandra Hayden, M.A., R.T.(T), FASRT

Hak Choy, M.D.

Medical Adviser of the Radiation Therapy Program
Professor and Chair of the Department of Radiation
Oncology
University of Texas Medical Branch at Galveston, 1987

Sandra Hayden, M.A., R.T.(T), FASRT

Assistant Professor & Interim Program Director
B.S., Wayne State University, 1991, M.A., Ashford
University, 2011

Strahinja Stojadinovic, Ph.D.

Associate Professor
Kent State University, 2004

LaChandra Wilcox, B.S.R.T. (R)(T)

Assistant Professor
B.S., University of South Alabama, 2005

Courses

ACR - Applied Clinical Research

ACR 5091 - INDEPENDENT RESEARCH (1 to 3)
ACR 5094 - RESEARCH PRACTICUM (1 to 3)
ACR 5096 - SPECIAL TOPICS (1 to 3)
ACR 5099 - DISSERTATION (3 to 9)
ACR 5101 - GRANT WRITING I (1)
ACR 5102 - GRANT WRITING II (1)
ACR 5104 - LAB ROTATIONS: TECH IN ACR (1)
ACR 5107 - DOCTORAL SEMINAR I (1)
ACR 5111 - PROFESSIONAL DEVELOPMENT I (1)
ACR 5112 - PROFESSIONAL DEVELOPMENT II (1)
ACR 5113 - PROFESSIONAL DEVELOPMENT III (1)
ACR 5114 - SCIENTIFIC COMMUNICATION (1)
ACR 5201 - TEACH & LEARN HLTH CARE EDU (2)
ACR 5301 - BIOSTATISTICS I (3)

ARC - Archer Fellow Course

ARC 5340 - INSD WSH: POLICYMAK GROUND UP (3)

This course will supplement your internship by introducing you on a broader scale to the dynamic, complex and raucous American policymaking process. This course will be conducted largely as a seminar, which will require significant student participation. Much of the course will consist of discussion with representatives from a wide variety of federal agencies as well as representatives of organizations whose work is closely tied to that of government. We will examine a sampling of the extensive literature on federal government dynamics, but our primary focus will be understanding government through face to face interaction with individuals from the major institution, both governmental and private, that participate in the runruly process of federal governance.

CN - Clinical Nutrition Masters Prg

CN 5002 - SPECIAL TOPICS (0 to 16)
CN 5101 - APPLIED SPORTS NUTRITION (1)
CN 5102 - ADVANCED SPORTS NUTRITION (1)
CN 5103 - NUTRITION AND CAN PREV (1)
CN 5104 - NUTRITION SUPPORT:CUR ISSUE (1)
CN 5105 - NUTRITION AND METAB: CUR ISSUE (1)
CN 5223 - NUTRITION IN MEDIA COMM (2)
CN 5233 - BUSINESS OF HEALTH CARE (2)
CN 5242 - NUTRITION IN AGING (2)
CN 5250 - NUTRTN CARE PROC PRACTICUM (2)
CN 5310 - NUTRITION CARE PROCESS (3)
CN 5311 - MED NUTRI THERAPY CHRONIC CARE (3)
CN 5312 - MED NUTRI THERAPY ACUTE CARE (3)
CN 5313 - MED NUTRI THERAPY PEDIATRICS (3)
CN 5331 - FOOD SCIENCE AND TECHNOLOGY (3)
CN 5332 - FOOD SERVICE MANAGEMENT (3)
CN 5340 - NUTRITION IN METABOLISM (3)
CN 5341 - NUTRITN IN GROWTH AND DEV (3)
CN 5351 - CHRONIC CARE MED NUTRI THERAPY (3)
CN 5353 - ADV MED NUTRI THER PRACT (3)
CN 5360 - EDUC & COMMUN NUTRI PRAC (3)
CN 5370 - FOOD SERVICE PRACTICA (3)
CN 5390 - NUTRITION RESEARCH (3)
CN 5422 - NUTRITION IN HEALTH PROMOTION (4)
CN 5452 - ACT CARE MED NUTRI THRPY PR (4)
CN 5954 - INTEGRATED NUTRITION PRACTICUM (9)

DPT - Physical Therapy Doctoral Prog

DPT 5132 - EVIDENCE BASED CLIN RSCH III (1)
DPT 5133 - HUMAN DEVELOPMENT (1)
DPT 5134 - SERVICE LEARNING PROJECT (1)
DPT 5137 - EVIDENCE-BASED CLIN RSCH II (1)
DPT 5138 - INTEGUMENTARY PTNT/CLNT MGMNT (1)
DPT 5139 - CLINICAL CORRELATION (1)
DPT 5140 - ELEMENTS OF PHARM FOR THE PT (1)
DPT 5150 - PROFESSIONAL PRACTICE DEV I (1)
DPT 5151 - PT PROCEDURES (1)
DPT 5218 - ASSISTIVE TECH IN REHAB (2)

DPT 5236 - EVIDENCE-BASED CLIN RSCH I (2)
DPT 5237 - PATHOKINESIOLOGY (2)
DPT 5241 - PRVNTN, HLTH PROM & WLNESS (2)
DPT 5242 - NEUROMUSC PTNT/CLNT MGMNT II (2)
DPT 5257 - PROF PRACTICE DEV II (2)
DPT 5302 - THERAPEUTIC INTERVENTION I (3)
DPT 5304 - GERIATRIC PTNT/CLNT MGMNT (3)
DPT 5305 - MEDICAL PRACTICE MGMNT (3)
DPT 5316 - PROF PRACTICE MGMNT (3)
DPT 5317 - ADV THERAPEUTIC TECH (3)
DPT 5320 - TESTS & MEASUREMENTS (3)
DPT 5330 - MUSCULOSKEL PTNT/CLNT MGMNT II (3)
DPT 5335 - THERAPEUTIC INTERVENTION II (3)
DPT 5340 - NEUROMUSC PTNT/CLNT MGMNT I (3)
DPT 5342 - PREVENTION HLTH PROM AND WELL (3)

PREVENTION, HEALTH PROMOTION AND WELLNESS

DPT 5344 - CARDIO/PULM PTNT/CLNT MGMNT (3)
DPT 5351 - CLINICAL KINESIOLOGY (3)
DPT 5401 - CLINICAL EXPERIENCE I (4)
DPT 5403 - CLINICAL EXPERIENCE III (4)
DPT 5431 - MUSCULOSKEL PTNT/CLNT MGMNT I (4)
DPT 5502 - CLINICAL EXPERIENCE II (5)
DPT 5504 - CLINICAL EXPERIENCE IV (5)

Entry level performance in all aspects of patient/client management in a selected practice setting is the expected outcome following a twelve-week full-time clinical experience. The PT MACS is used to assess student performance based on safe and effective practice. Cognitive, affective and psychomotor skills are assessed in the clinical setting. Students gaining experience in a more specialized area of physical therapy practice are expected to meet the standards considered entry-level in that setting.

ENRH - Enrichment Elective

ENRH 155 - PSY CULTURE & MNG OF DISEASE (0)

HCS - Health Care Sciences

HCS 5106 - PROFESSIONAL DEVELOPMENT (1)
HCS 5207 - INTRO TO NEUROSCIENCE (2)
HCS 5230 - HEALTH CARE RESEARCH (2)
HCS 5306 - INTRO TO PATHOLOGY (3)
HCS 5308 - HUMAN ANATOMY (3)
HCS 5309 - HUMAN ANATOMY DISS LAB (3)
HCS 5330 - HEALTH CARE RESEARCH (3)
HCS 5407 - HUMAN PHYSIOLOGY (4)

MPA - Physician Assistant Masters

MPA 5001W - MEDICATION-ASSISTED TREATMENT (0)
MPA 5050W - PROFESSIONAL PRACT II (1 to 3)
MPA 5101 - PROF PRACTICE ISSUES I (1)
MPA 5102 - INTEGRATION SKILLS (1)
MPA 5103 - INTEGRATION SKILLS II (1)
MPA 5130 - EVIDENCE-BASED MEDICINE (1)
MPA 5204 - CLIN PREVEN & POPULATION HLTH (2)
MPA 5206 - PATIENT EVALUATION II (2)
MPA 5208 - CLINICAL SKILLS (2)
MPA 5215 - PHARMACOLOGY I (2)
MPA 5216 - PHARMACOLOGY II (2)
MPA 5231 - PSYCHIATRY (2)
MPA 5305 - PATIENT EVALUATION I (3)
MPA 5307 - PATIENT EVALUATION III (3)
MPA 5350 - PROFESSIONAL PRACT II (3)
MPA 5422 - WOMEN'S HEALTH (4)

This four week rotation integrates both in patient and outpatient clinical experiences. The student has an opportunity to become familiar with the management of labor and delivery, outpatient gynecology, family planning and outpatient prenatal and postpartum care.

MPA 5423 - PEDIATRICS (4)
MPA 5428 - CLINICAL ELECTIVE (4)
MPA 5430 - PSYCHIATRY (4)
MPA 5432 - EMERGENCY MEDICINE (4)
MPA 5433 - SURGERY (4)
MPA 5450 - DIRECTED STUDY (4)
MPA 5451 - INFECTIOUS DISEASE (4)
MPA 5509 - CLINICAL MEDICINE I (5)
MPA 5510 - CLINICAL MEDICINE II (5)
MPA 5511 - CLINICAL MEDICINE III (5)
MPA 5830 - INTERNAL MEDICINE (8)
MPA 5831 - FAMILY MEDICINE (8)
MPA 5832 - PRIMARY CARE PRECEPTORSHIP (8)

The course will provide information to students about identifying addictions as well as interventions using current, evidence-based treatment.

MRC 5401W - CLINICAL INDEPENDENT STUDY (4)

The Clinical Independent Study course is a program-directed study course that offers students the opportunity to learn from various online resources that teach counseling-related clinical skills in a variety of subjects. All resources included in the course curriculum will be reviewed and approved by the Interim Program Director and Program Coordinator.

MPO-Prosthetic-Orthotics-Masters

MPO 5101 - INTRO TO LAB SKILLS AND MAT (1)
MPO 5102 - CLINICAL EVALUATION TOOLS (1)
MPO 5103 - INTRO TO LAB SKILLS & MAT 2 (1)
MPO 5106 - BIOMECH OF HUMAN MOVEMENT II (1)
MPO 5112 - CLINICAL RESEARCH I (1)
MPO 5115 - CLINICAL RESEARCH II (1)
MPO 5203 - BIOMECHANICS OF HUMAN MOVEMENT (2)
MPO 5308 - ORTHOTIC MGMT OF THE SPINE (3)
MPO 5310 - PROSTHETIC MGMT OF UPPER LIMB (3)
MPO 5313 - ORTHOTIC MGMT OF UPPER LIMB (3)
MPO 5407 - ORTHOTIC MGMT OF LOWER LIMB II (4)
MPO 5409 - PROS MGMT OF LOWER LIMB II (4)
MPO 5411 - CLINICAL EXPERIENCE (4)
MPO 5416 - CONTEMP PRAC AND SYNTH (4)
MPO 5504 - ORTHOTIC MGMT OF LOWER LIMB I (5)
MPO 5505 - PROS MGMT OF LOWER LIMB I (5)

MRC - Rehabilitation Counseling Mast

MRC 1001 - RESEARCH ENRICHMENT ELECTIVE (0)
MRC 5090 - INTERNSHIP IN REHAB COUN (0 to 16)
MRC 5096 - SPECIAL TOPICS (0 to 16)
MRC 5202 - COUNSLING FAMILY SYSTEMS (2)
MRC 5234 - ADDICTIONS COUNSELING (2)

Addictions Counseling is a 3 hour, comprehensive review of the different types of addictions individuals may experience. These include, but are not limited to, substances such as alcohol and other drugs, gambling, sexual addiction, food addiction, and gaming addiction.

ACR 5108 - (1)
 ACR 5302 - (3)
 BIOL 2401 -
 BIOL 2402 -
 CHEM 1405 -
 - Clinical Nutrition Elective (3)
 CTM 5114 - (1)
 DPT 5306 - (3)
 DPT 5402 - (4)
 DPT 5604 - (6)
 ENGL 1301 -
 ENGL 1302 -
 ENGL 2311 -
 ENGL 2321 -
 ENGL 2326 -
 - equivalent
 - General Elective (3)
 - General Electives (6)
 MATH 2412 -
 - Or
 PHYS 1401 -
 PHYS 1402 -
 RT 3201 - (2)
 RT 3203 - (2)
 RT 5101 - (1)
 RT 5102 - (1)
 RT 5203 - (2)
 RT 5207 - (2)
 RT 5303 - (3)
 SPCH 1311 -
 TBD - Elective Coursework (2)
 TBD - Elective Coursework (5)

RT 5504 - CLINICAL PRACTICUM IV (5)
 RT 5505 - CLINICAL PRACTICUM V (5)

RT - Radiation Therapy

RT 3212 - SECTIONAL ANATOMY (2)
 RT 3314 - MEDICAL DOSIMETRY I (3)
 RT 4315 - MEDICAL DOSIMETRY II (3)
 RT 5202 - CLINICAL PRACTICUM I (2)
 RT 5206 - HEALTH LAW AND POLICIES (2)
 RT 5211 - HLTHCARE OUTCOMES/QUALITY
 MGMT (2)
 RT 5212 - EMERGING TECHNOLOGY IN RT (2)
 RT 5301 - RADIOBIOLOGY (3)
 RT 5304 - CLINICAL RADIATION ONCOLOGY II
 (3)
 RT 5307 - RT EVIDENCE-BASED RSRH I (3)
 RT 5308 - RT EVIDENCE-BASED RSRH II (3)
 RT 5310 - CAPSTONE PROJECT IN RT (3)
 RT 5401 - ADV RADIOTHERAPY & MED PHYSICS
 (4)
 RT 5502 - CLINICAL PRACTICUM II (5)
 RT 5503 - CLINICAL PRACTICUM III (5)

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