

# School of Health and Rehabilitation Sciences

## Welcome to the School of Health and Rehabilitation Sciences!

### Dean's Remarks

Thank you for your interest in the Indiana University School of Health and Rehabilitation Sciences (SHRS). The School of Health and Rehabilitation is located on the campus of Indiana University-Purdue University Indianapolis (IUPUI). The SHRS is one of the oldest allied health academic units of its type in the country and has provided leadership in health and rehabilitation sciences, as well as research and education, to the citizens of Indiana, the region, and the nation for more than 35 years.

In 1967, the school was one of 13 allied health units from across the country to participate in the planning and formation of the field's national professional society, the Association of Schools of Allied Health Programs. On this campus, the School of Health and Rehabilitation Sciences joins the Schools of Dentistry, Medicine, Nursing, Public Health, and Social Work to form the IUPUI Academic Health Center, one of the largest academic health centers in the country.

Perhaps our most cherished asset is the quality of our students. The school's graduate professional programs are among the most competitive for admission at Indiana University, and the grade point average of students selected for our professional programs routinely ranks among the highest on the university campus.

Our students' commitment to excellence is expressed in many ways; by individual and collaborative research initiatives, national awards, service to the community, presentations at regional and national conferences, and pass rates on certification/licensure exams that exceed national averages, to name only a few. Our students come to us from many backgrounds, and upon completion of their studies, they seek careers in a wide variety of settings to promote the health and well-being of residents of Indiana, the region, and the nation.

The school's faculty members are recognized nationally and internationally for their contributions. They serve on national licensure boards and are leaders of national professional societies, reviewers for federal granting agencies, and invited speakers. Their research findings are published in the best journals in their disciplines, and they routinely serve as consultants to community agencies, state and national health care facilities, and corporations. The principal goal of our school's faculty is to educate the next generation of practitioners and researchers.

The services offered by the school facilitate our student-centered approach to learning. Advising starts as soon as a student indicates a desire to study in one of our educational programs. Our Office of Academic and Student Affairs sponsors important student events in combination with its statewide advising network and is the entry point for learning more about health opportunities in undergraduate and graduate professional education.

To promote excellence in education, research, and service, the SHRS maintains strong relationships with a variety of critical constituent groups. Our alumni activities keep our graduates involved with charting the future of the school. We maintain up-to-date facilities and offer scholarships through generous donations from alumni and friends of the school.

The school's collaboration with other academic units promotes creative research and teaching opportunities, and our affiliation with over 500 health care facilities gives students unique educational experiences. Moreover, the involvement of associate faculty is essential to fully implement the school's curriculum. We are proud of these relationships and continue to seek other collaborative opportunities.

Health care delivery in this country is undergoing dramatic change, but it remains one of the most personally fulfilling professions, and we know that most of our students pursue it with a sense of mission. The School of Health and Rehabilitation Sciences strives to provide the most comprehensive educational experience that helps students realize their educational and career goals.

Dr. Augustine Agho, Dean

School of Health and Rehabilitation Sciences

November 18, 2011

## Overview

### Vision

The vision of the School of Health and Rehabilitation Sciences is to be recognized nationally and globally as a leader in graduate health sciences, and as a provider of excellent health care professionals for the state of Indiana and beyond.

### Mission

In fulfilling its vision, the School of Health and Rehabilitation Sciences seeks to develop and maintain a scholarly and competent faculty who will provide excellence in:

- the teaching/learning process for programs in fields related to health professions
- the advancement of knowledge through research, scholarship, and creative activity
- the development of lifelong commitment to local, national, and global civic engagement with each of these core activities characterized by collaboration within and across disciplines, the university, and the community, as well as a commitment to diversity, and the pursuit of best practices.

### Statement of Values

The School of Health and Rehabilitation Sciences (SHRS) of Indiana University is committed to excellence in the education of its students, who will have a concern for the people they serve.

We value the commitment of students to learning, of faculty to the highest standards of teaching, scholarship, and service, and of staff to the highest standards of service.

We recognize students as partners in the teaching/learning process and provide them with opportunities to

develop expertise, scientific knowledge, and professional attitudes that enable them to contribute to the health of society.

We are committed to the maintenance of individual professional competence and lifelong learning; to the development of new knowledge through research, scholarship, and creative activity; and to the provision of service through civic engagement.

We value collegiality, cooperation, and creativity, as well as honesty, integrity, and support for open inquiry and dissemination of findings.

We value the personal and professional development of a diverse community of students, faculty, and staff, and we are committed to continuous improvement of all programs and services.

We are committed to training faculty and students involved in the community, to providing educational programs and working with a wide array of partners, to offering expert care and assistance to clients, to engaging in field research that serves Indianapolis, the state of Indiana, and beyond, and to building a strong, welcoming campus community for all.

## History

The School of Health and Rehabilitation Sciences traces its origins to 1941, with the initial offering of allied health sciences degrees through the Indiana University School of Medicine. In 1958, by action of the Trustees of Indiana University, the Division of Allied Health Sciences was formed, and in 1960 the trustees conferred upon the faculty of the School of Medicine the responsibility and authority to grant the Bachelor of Science degree to those students who successfully completed the prescribed curriculum in four allied health programs.

Since that time, additional baccalaureate programs and new programs at the associate and graduate levels have been approved and initiated. In 1967, the Division of Allied Health Sciences was one of 13 similar units from across the country to participate in the planning and formation of the national professional society, the Association of Schools of Allied Health Sciences.

The Division of Allied Health Sciences was granted school status at the April 1991 meeting of the Trustees of Indiana University. The School of Allied Health Sciences encompassed allied health programming on five of the eight campuses of Indiana University and incorporated 21 distinct allied health academic degree programs.

In 2002, the School of Allied Health Sciences was restructured to better align campus resources in support of the allied health sciences degrees. The resulting school focused solely on delivering graduate degrees in selected health and rehabilitation science disciplines. The undergraduate allied health sciences degrees migrated to other academic units on the IUPUI campus.

To better reflect the more focused academic mission of the school, and based on faculty recommendation, in June 2003 the Trustees of Indiana University approved changing the name to School of Health and Rehabilitation Sciences. Four departments constitute the school; Health Sciences, Nutrition and Dietetics, Occupational Therapy, and Physical Therapy. In 2010, the school received

approvals from the IU Board of Trustees and the Indiana Commission on Higher Education to offer a graduate degree in physician assistant studies. During its history of almost 50 years, the school has provided leadership in education, research, and civic engagement pertaining to health for the citizens of Indiana, the region, and the nation.

## Accreditation

The School of Health and Rehabilitation Sciences shares with the other schools of the university the accreditation accorded Indiana University as a member of the North Central Association of Colleges and Schools.

In addition, the professional programs are individually accredited by appropriate governing agencies within the discipline. See program-specific sections.

## Contact Information

[Indiana University School of Health and Rehabilitation Sciences](#)

Coleman Hall (CF) 120 1140 W. Michigan Street  
Indianapolis, IN 46202 (317) 274-4702

[kdearly@iupui.edu](mailto:kdearly@iupui.edu)

## Admission

### Preadmission Status

Enrollment at Indiana University does not guarantee admission to the professional or graduate programs offered through the School of Health and Rehabilitation Sciences. To be eligible for admission to the programs offered by the school, students must adhere to the academic regulations of the academic unit in which they are enrolled and meet school and program admission requirements as stipulated in the program sections of this bulletin.

Admission to many programs is competitive, therefore, completion of the prerequisites does not guarantee admission to the program. On some campuses a student may be admitted as a preprofessional student in a health and rehabilitation sciences discipline; however, this status is for academic advising purposes only and in no way influences admittance into a professional program.

### Occupational Therapy Program

Admission to the Master of Science in Occupational Therapy (M.S.O.T.) Program requires completion of a bachelors degree and stated prerequisite courses. The M.S.O.T. program does not have a preference regarding the major area of study for the bachelors degree as long as prerequisite courses are completed.

However, undergraduate students at IUPUI who are interested in the Master of Science in Occupational Therapy degree may want to consider obtaining the Bachelor of Science in Health Sciences degree offered by the School of Health and Rehabilitation Sciences, choosing the Preparation for Graduate Health Professions Program track within the degree. For the most current admissions requirements, please see:

[http://shrs.iupui.edu/occupational\\_therapy/admissions](http://shrs.iupui.edu/occupational_therapy/admissions).

### Physical Therapy Program

Admission to the Doctor of Physical Therapy (D.P.T.) Program requires completion of a bachelors degree and

stated prerequisite courses. The D.P.T. program does not have a preference regarding the major area of study for the bachelors degree as long as prerequisite courses are completed. However, undergraduate students at IUPUI who are interested in the Doctor of Physical Therapy degree may want to consider obtaining the Bachelor of Science in Health Sciences degree offered by the School of Health and Rehabilitation Sciences, choosing the Preparation for Graduate Health Professions Program track within the degree. For the most current admissions requirements, please see:

[http://shrs.iupui.edu/physical\\_therapy/admissions](http://shrs.iupui.edu/physical_therapy/admissions).

### Physician Assistant Program

Admission to the Master of Physician Assistant Studies (M.P.A.S.) Program requires completion of a bachelor's degree and sated prerequisite courses. The M.P.A.S. program does not have a preference regarding the major area of study for the bachelor's degree as long as prerequisite courses are completed. However, undergraduate students at IUPUI who are interested in the Master of Physician Assistant degree may want to consider obtaining the Bachelor of Science in Health Sciences degree offered by the School of Health and Rehabilitation Sciences, choosing the Preparation for Graduate Health Professions Program track within the degree. For the most current admissions requirements, please see:

[http://shrs.iupui.edu/health\\_sciences/degrees/physician\\_assistant.html](http://shrs.iupui.edu/health_sciences/degrees/physician_assistant.html).

### Admission Policies for Graduate and Professional Programs

#### Prerequisite Course Work

Applicants must complete prerequisite courses at a regionally accredited college or university. Individual programs determine the specific courses and the minimum grade that must be achieved in any course (see specific program information); therefore, program-specific requirements may differ. The completion of a prerequisite course with a Pass/Fail grade must be approved by each program. Applicants should read the Admission Policies and Program Descriptions sections of this bulletin for specific entry-level requirements.

#### Interview

Applicants may be required to complete a personal interview. The interview may be a component of the admission decision.

#### Policy Changes

Policies concerning the minimum grade point average for admission consideration are subject to change. Changes for beginning first-year professional students become effective the semester following the announcement of the decision to the university counselors and other constituencies. Changes in prerequisite courses or the minimum grade required in a prerequisite course will be applied as follows for continuing students:

- Applicants who have taken the course before the change and who meet the old requirement will have satisfactorily completed the requirement.
- Applicants who have taken the course before the change and who do not meet the old requirement

must complete the course under the new requirement.

- Applicants enrolled in the course at the time of the change will be permitted to meet the old requirement.
- Applicants who have not taken the course before the change will have to meet the new requirement.

### Admission Procedures

1. In addition to the general admission requirements for Indiana University, the program-specific sections in this bulletin must be read for admission requirements and deadlines.
2. Individuals seeking admission to a professional program must submit a complete application before the programs application deadline. See the General Information section of this bulletin for names, addresses, and telephone numbers of persons to contact for applications. Admission to the professional program is competitive; application for admission to the school does not constitute automatic admission to a program.
3. All complete applications are considered by the programs admission committee. The selection of a class is based on program admission criteria. All applicants receive written notification of their admission status.
4. Applicants may appeal any admission decision except those relating to minimum grade point averages. Copies of the policies and procedures governing the appeals process are available on request from any of the schools administrative offices.
5. Individuals interested in being admitted to one of the schools programs should contact the program of interest annually for an update of admission criteria.
6. The program applications are revised each year. Applicants must obtain an application for the year in which they wish to apply.
7. Applicants should check the current program website for submission deadlines.
8. Students who have been convicted of a felony may be unable to obtain appropriate credentials to practice in some disciplines. Contact the program director for further information.
9. Individuals whose names appear on the Sex Offenders List will not be allowed to pursue admission to any program in the School of Health and Rehabilitation Sciences.

### Withdrawal and Readmission

A student may be readmitted to the school after withdrawal as follows:

#### Temporary Withdrawal

Students in good standing who voluntarily and temporarily withdraw from a program assume temporary inactive status with the School of Health and Rehabilitation

Sciences. At the time of departure, it is the students responsibility to arrange, in writing, a continuation agreement with the individual program director. The student is allowed to reenroll as specified in the continuation agreement. The student must meet any specific academic/clinical requirements associated with reenrollment under the continuation agreement. Students failing to reenroll as specified in the continuation agreement are subject to dismissal from the School of Health and Rehabilitation Sciences.

### Academic Advising

The School of Health and Rehabilitation Sciences undergraduate baccalaureate program has a dedicated student enrollment counselor who is available to assist undergraduate students interested in either the B.S. in H.S. degree or one of the School's undergraduate certificates. The School's student enrollment services coordinator is available to assist students who are working on the prerequisites for a professional program. Once admitted to a professional program, students are advised by faculty within the program. It is the students responsibility to seek counseling and guidance. The student is responsible for planning a program to meet degree requirements.

### Appeals

The School of Health and Rehabilitation Sciences abides by the appeals procedures discussed in the Indiana University Code of Student Rights, Responsibilities, and Conduct. Students may obtain a copy of the schools Appeals Policy and Procedure from any of the schools administrative offices.

### Attendance

Students are responsible for complying with all attendance requirements that may be established by the program faculty.

### Clinical Affiliations

Clinical affiliations (fieldwork experiences) are required in most School of Health and Rehabilitation Sciences programs. The program faculty are responsible for the selection, approval, and assignment of clinical experiences. Although individual student needs and desires will be recognized, final placement decisions are made by the program faculty. Students are responsible for transportation, fees, and self-support, and for following the rules and regulations of the center(s) to which they are assigned. In addition, student conduct must be consistent with the standards of the university and the profession.

### Degree Applications

Each fall, students preparing to graduate during the following calendar year must file an Intent to Graduate form in the office of the program in which they are enrolled. Program faculty then certify the student's satisfactory completion of degree requirements. If changes in the anticipated date of degree completion occur, students must consult their faculty advisor and file an updated Intent to Graduate form.

### Financial Aid

A student may seek financial assistance through the IUPUI Financial Aid Office. In addition, assistance may be available through professional associations and other external groups and agencies.

### Costs

Students are responsible for the following costs:

- *Fees and Tuition:* Fees and tuition are established annually by the Trustees of Indiana University.
- *Books and Supplies:* Books and supplies are determined by the program.
- *Uniforms:* During clinical/fieldwork experiences, students must adhere to the dress code requirements of the program and training site. Students are responsible for providing their own uniforms.
- *Transportation:* Students are responsible for travel and lodging costs associated with clinical/fieldwork experiences.

Contact the program of interest for a current cost sheet.

### Liability Insurance

All students participating in required fieldwork experience are covered by the university's medical malpractice insurance. When requested, students may be required to purchase and show proof of general liability insurance before being certified to begin the clinical experience.

### Health

Before the beginning of the professional program, students are required to demonstrate proof of immunization for tetanus and diphtheria, rubella, rubeola (measles), mumps, varicella (chicken pox), and hepatitis. All students must have had a PPD tuberculin skin test within the last three months. Students may be required to complete a physical examination (see program-specific requirements). All students must show proof of health insurance before beginning the professional program.

### International Students

Foreign nationals enrolled in the school have the same rights and responsibilities as all other students. International students should consult the IUPUI Office of International Affairs.

### Orientation

School of Health and Rehabilitation Sciences programs may require students to attend orientation programs before the beginning of the professional courses. Students are responsible for attending these sessions and for the program-specific policies and standards distributed and discussed at the sessions.

### Professional Conduct

Students are responsible for exhibiting conduct appropriate to their professional training and education. Each program distributes standards and policies of appropriate professional conduct at the time of program orientation.

### Registration and Record Changes

It is the students responsibility to enroll in each required academic session and satisfactorily complete all courses required for the degree. Faculty are available to provide academic advising.

Students are responsible for filing the necessary Student Record Change form with the School of Health and Rehabilitation Sciences Office of Academic and Student

Affairs in Coleman Hall 120 as soon as possible following a change of name or permanent address. Additional information regarding degree requirements and academic standards may be found elsewhere in this bulletin.

### **Credentials/Licensure**

Students completing any of the professional programs are qualified to sit for the appropriate licensure and/or credentialing examinations. Contact the program director for further information.

### **School of Health and Rehabilitation Sciences Alumni Association**

The School of Health and Rehabilitation Sciences Alumni Association is an officially recognized constituent member of the [Indiana University Alumni Association](#). Active membership is open to all graduates of School of Health and Rehabilitation Sciences programs.

For more information, contact:

[School of Health and Rehabilitation Sciences Alumni Association](#)

University Place Conference Center, 241 850 W. Michigan Street Indianapolis, IN 46202-6044  
(317) 274-8828

## **Requirements**

### **Probationary Admission**

### **Transfer Students**

## **Courses**

### **BS in Health Sciences**

**SHRS-W 100 Learning Community Seminar (2 cr.)** In this course, as a new student to the IUPUI Campus, you will have the opportunity to discuss and explore a number of resources available to you on the IUPUI Campus. Special emphasis will be placed on use of the library and library resources. The course will incorporate the first three components of the Personal Development Plan (PDP). You will also have the responsibility to research a particular health care profession of your choosing (from a list provided), write a paper about that profession, and orally present with a student partner your researched information to your fellow students.

### **SHRS-W 210 Introduction to Rehabilitation (3 cr.)**

Understanding the historical, philosophical, and organizational context of the rehabilitation profession within the context of the health care delivery system. Based on the premise that understanding of and respect for health professionals is critical for effective functioning as a member of a health care team. Emphasizes expectations of students as beginning health professionals.

### **SHRS-W 211 Orientation to Health and Rehabilitation Professions (2 cr.)**

The major purpose of this course is to provide students with information to assist them in becoming acquainted with selected undergraduate and graduate health and rehabilitation science disciplines. Students will obtain information to develop realistic educational and career goals. NOT OPEN TO STUDENTS

### **WHO ENROLLED IN A HEALTH CAREERS LEARNING SEMINAR.**

### **SHRS-W 361 Health Promotion and Disease Prevention (3 cr.)**

Understanding the personal, cultural, and environmental factors affecting participation in health promotion and disease prevention activities; examining the application and relevance of the concepts of health, wellness, health promotion, and health education and a wide range of content specific topics in health promotion and disease prevention.

### **SHRS-W 362 Legal and Regulatory Aspects in Rehabilitation (3 cr.)**

Assisting students in the understanding of legal and regulatory challenges faced by rehabilitation professionals, covering legal issues in counseling and case management, and significant rehabilitation-related legislation in the United States from 1917 to the present.

### **SHRS-W 363 Ethical Issues in Rehabilitation**

**Services (3 cr.)** Examining contemporary ethical/moral considerations in the organization and management of rehabilitation agencies and the delivery of rehabilitation services. Practical applications of ethical principles to the delivery of rehabilitation service and client-provider relationships will be covered. The course will be a combination of lectures, case studies, debates, and guest speakers.

### **SHRS-W 364 Disability and Society (3 cr.)**

Focusing on the psychological, social, political, and economic circumstances of individuals with disabilities in American society and to broaden students' perspectives on disability issues through exposure to the personal accounts and writing of persons with disabilities, examination of professional practices, discussion of public policies, and completion of class projects.

### **SHRS-W 365 Diversity Issues in Health and**

**Rehabilitation Services (3 cr.)** Designed to prepare students to appreciate diversity and understand the interrelationship of race, gender, culture, and ethnicity and how they affect access and use of health and rehabilitation services.

### **SHRS-W 441 Administration and Supervision of**

**Rehabilitation Organizations (3 cr.)** Designed to provide an overview of rehabilitation organizations and teach students the foundations of administration, supervision, and coordination of rehabilitation agencies. Discussions will cover the major theories of leadership, management, and organizational communication.

### **SHRS-W 442 Research in Health and Rehabilitation**

**Sciences (3 cr.)** An introduction to the application of research methods in health and rehabilitation sciences, providing students with an overview of research methods used to collect, analyze, and interpret data, emphasizing the understanding of the application of statistical and research techniques to address problems related to rehabilitation services research.

### **SHRS-W 445 Program Evaluation Methods in**

**Rehabilitation (3 cr.)** This course will provide a broad overview of the application program evaluation methods in rehabilitation and the strategies used in program evaluation, focusing on scientific principles that may be

instrumental in informing policies and programs aimed at improving the health on individuals and communities.

**SHRS-W 480 Independent Study in Health and Rehabilitation (3 cr.)** The purpose of this course is to give students the opportunity to do independent study and research in their area of interest. No formal lecture. Permission of Department Chair and instructor supervising the work will be required.

#### **Gerontology Certificate**

**SHRS-N 265 Nutrition and Exercise (3 cr.)** This course will allow the student to apply the principles of physiology, chemistry, and biology to describe the role of nutrition and exercise in the human body and to explore the interrelated and protective role of nutrition and exercise in wellness, health promotion, and disease prevention.

**SHRS-W 310 Aging and the Older Person (3 cr.)** An introduction to the interdisciplinary study of gerontology as a social, behavioral, and biological science. Other issues to be covered will include participation of older persons in therapeutic recreation and leisure activities and current health issues and patterns of health in the aging process.

**SHRS-W 350 Survey of Programs for Older Adults (3 cr.)** An overview of the long-term care industry and the continuum of care, examining various long term care service providers such as nursing facilities, assisted living/retirement centers, adult foster care, and adult day care; critical issues and current trends related to long-term care, quality of life, and life satisfaction in adulthood.

**SHRS-W 370 Psychosocial Aspects of Aging (3 cr.)** Provides a broad overview of adult development and aging with an emphasis on the changes that occur across physical, cognitive, emotional, perceptual, and social domains of functioning. Analysis of the effects of and theoretical approaches of these changes on the occupational, social, and personality adjustment of the aging adult.

**SHRS-W 410 Service-Learning in Geriatrics (3 cr.)** Designed to give the student direct work experience in various aging agencies and long-term care institutions. This experiential component allows the student an opportunity to apply his/her newly acquired normative and cognitive skills and knowledge in an actual work setting.

**SHRS-W 450 Seminar in Gerontology (3 cr.)** This course provides an interdisciplinary investigation of selected facets of gerontology drawn from biological, behavioral, and social science. Topics covered will include mental health, housing, economics, transportation, preventive health and rehabilitation programs, long-term care insurance, retirement, work/leisure activities, and adult women and health.

#### **Global Health and Rehabilitation Studies Certificate**

**SHRS-N 265 Nutrition and Exercise (3 cr.)** This course will allow the student to apply the principles of physiology, chemistry, and biology to describe the role of nutrition and exercise in the human body and to explore the interrelated and protective role of nutrition and exercise in wellness, health promotion, and disease prevention.

**SHRS-W 250 Health and Rehabilitation Systems Across the World (3 cr.)** This course presents issues in global health and rehabilitation delivery systems from the

viewpoint of many different disciplines with an emphasis on economically less developed countries.

**SHRS-W 270 Seminar in Global Rehabilitation and Health (3 cr.)** This course is designed to cover current topics in international management and organization of health and rehabilitation services, governance, ethics, impact of donor organizations, and emerging global primary and public health care issues.

**SHRS-W 380 Health and Rehabilitation Professionals in Developing Countries (3 cr.)** The primary purpose of this course is to help students understand the roles and expectations and the scope of training and educational preparation of health and rehabilitation professionals across the world with emphasis on economically less developed countries.

**SHRS-W 460 Global Perspectives in Nutrition, Health, Disease, and Disability (3 cr.)** Major emphasis on global perspectives with specific focus on economically less developed countries, examining existing and emerging issues in international nutrition that influence the health, well-being, and disability and the efficacy and effectiveness of nutritional interventions in the prevention of disease and disability among people living in developing countries.

**SHRS-W 470 International Service-Learning in Rehabilitation (3 cr.)** Designed to give students direct experience in the organization and financing of rehabilitation services in other parts of the world, this experiential component allows students to apply their newly acquired normative and cognitive skills and knowledge in an international rehabilitation institution. Students will travel abroad under the supervision of faculty.

#### **Health Sciences**

**SHRS-W 510 Trends and Issues in the Health Sciences (3 cr.)** A seminar course to review pertinent literature and other sources of information as a basis for discussing trends and issues affecting the therapeutic professions and the health care delivery system.

**SHRS-W 520 Evidence-Based Critical Inquiry in the Health Sciences (3 cr.)** Fundamentals of research methodology, design, techniques, and procedures applicable to research problems in the allied health disciplines. Introduction to computer data analysis.

**SHRS-W 540 Patient-Reported Outcomes and Economic Evaluation (3 cr.)** Explorations of selected patient-centered outcomes assessment methodology and its use in economic evaluation.

**SHRS-W 550 Health and Rehabilitation Systems Across the World (3 cr.)** This course presents issues in global health and rehabilitation delivery systems from the viewpoint of many different disciplines with an emphasis on economically less developed countries.

**SHRS-W 570 Research Communication in the Health Sciences (3 cr.)** Focuses on the conceptualization and writing of the thesis or practicum proposal.

**SHRS-W 594 Administration of Health Sciences Education (3 cr.)** Principles of effective organization,

supervision and administration of educational programs in the health sciences.

**SHRS-W 599 Thesis in Health Sciences (3 cr.)** Thesis in Health Sciences. Can be repeated. Focuses on the data collection, analysis and writing of the thesis.

**SHRS-W 600 Project in Health Sciences (3 cr.)** Individual investigation in the form of an organized scientific contribution or a comprehensive analysis in a specified area related to the health sciences.

**SHRS-W 625 Diversity Issues in Health and Rehabilitation Services (3 cr.)** This course is designed to prepare students to formulate strategies to address the interrelationship of race, gender, culture, and ethnicity and how they affect access and use of health and rehabilitation services.

**SHRS-W 640 Medical Aspects of Disability (3 cr.)** The primary emphasis of this survey course is on medically determined aspects of disabling impairments and disabilities. Students will learn the functional limitations associated with major disabling conditions particularly as they relate to the delivery of rehabilitation services.

**SHRS-W 660 Rehabilitation Theories and Applications (3 cr.)** This course explores the theories common to all rehabilitation therapies and forms a foundation for rehabilitation sciences. Included are theories specific to rehabilitation and adaptation to disease, disability and injury; attachment, adaptation and resiliency; cognition; motor learning; empowerment; loss and grief; psych-immunology; and the societal response to stigmatized groups. These theories are applied to rehabilitation practice and research design across the life span to include habilitation to congenital disorders.

**SHRS-W 661 Theories of Health Promotion and Disease Prevention (3 cr.)** This course focuses on the role of health behaviors such as eating nutritious foods, exercising, and avoiding unhealthy habits (i.e.: smoking) in health promotion and disease prevention. A principle concentration will be on health promotion within disabling conditions.

**SHRS-W 662 Health and Rehabilitation Systems Delivery (3 cr.)** This course analyses emerging trends in health care systems and delivery associated with rehabilitation. Areas to be covered include organizational infrastructures, finance, public policy, and implications for disparate patient populations.

**SHRS-W 667 Ethical Issues in Health and Rehabilitation Services (3 cr.)** This course is designed to explore contemporary ethical issues and concerns related to the delivery, organization, and management of rehabilitation services. It is structured to present theories of ethical practice related to rehabilitation care delivery and to address the practical applications of ethical principles to the delivery of rehabilitation services and client-provider relationships. It will be provided in a distance format.

**SHRS-W 670 Research Practicum in Health and Rehabilitation Sciences (3 cr.)** Instructional orientation to research arranged by student and approved by student's Advisory or Research Committee. This course may be taken more than once.

**SHRS-W 672 Teaching Practicum in Health and Rehabilitation Sciences (3 cr.)** Instruction in teaching theories and methodologies to include teaching a unit of instruction in the student's concentration area. This course may be taken more than once. NOTE: Any student who has a major interest in teaching is advised to incorporate other instructional teaching methodology courses into his/her plan of study

**SHRS-W 680 Independent Study in Health and Rehabilitation Sciences (3 cr.)** A course for students interested in specific interdisciplinary topics in health and rehabilitation sciences.

**SHRS-W 690 Dissertation Proposal in Health and Rehabilitation Sciences (3 cr.)** The student will submit a written proposal for original scholarly work that makes a significant contribution to research in the field of health and rehabilitation sciences. The proposal will include a comprehensive introduction to the topic, relevant literature review and an indication of the methodology to be used for the student's dissertation. The proposal must be formally presented and approved by the student's Research Committee before the student can enroll in SHRS W692. This course can be taken more than once.

**SHRS-W 692 Dissertation in Health and Rehabilitation Sciences (3 cr.)** An original scholarly manuscript that makes a significant contribution to research in the field of health and rehabilitation sciences. Topic will be selected by the student and his/her Research Committee. The student must present the dissertation at a formal meeting with his Advisory Committee.

**SHRS-W 799 Master's Thesis Continuation (1 cr.)** Used as continuation credits for completing the master's thesis in a format acceptable to the student's advisory committee, leading to successful defense of the final product. May be repeated for credit.

### **Nutrition and Dietetics**

**SHRS-N 265 Nutrition and Exercise (3 cr.)** This course will allow the student to apply the principles of physiology, chemistry, and biology to describe the role of nutrition and exercise in the human body and to explore the interrelated and protective role of nutrition and exercise in wellness, health promotion, and disease prevention.

**SHRS-N 420 Human Nutrition Through the Lifespan (3 cr.)** The study of nutritional needs during different stages of the human life cycle from pregnancy and lactation through infancy, childhood, adolescence and adulthood to later maturity, including an introduction to cultural food patterns, principles of nutrition assessment and agencies offering nutrition services.

**SHRS-N 500 Nutrition I (3 cr.)** P: Graduate standing, undergraduate course in biological sciences or consent of instructor. This course applies the principles of physiology, chemistry, and biology to describe the role of nutrition and exercise in wellness, health promotion and disease prevention. This class is taught online.

**SHRS-N 544 Medical Nutrition Therapy (3 cr.)** P: dietetic internship. Study of physiological and biochemical alterations that occur during disease states and their effect on nutritional requirements and methods of providing nutrients.

**SHRS-N 546 Medical Lectures (arr. cr.)** Lectures by professional staff and invited guests in the health care field.

**SHRS-N 550 Human Nutritional Pathophysiology I (3 cr.)** P: B500, F503 or BIOL 557, or consent of instructor. An integrated study of the biochemical and physiological aspects of human macronutrient metabolism, with special reference to fundamental nutrition issues including determination of nutrient quality, nutrient interrelationships, and energy balance in the normal human adult and in common clinical problems.

**SHRS-N 552 Human Nutritional Pathophysiology II (3 cr.)** P: N550 or consent of instructor. A continuation of N550. An integrated study of the biochemical and physiological aspects of human fluid and micronutrient metabolism with special reference to nutritional pathophysiology involving fluid and micronutrient metabolism.

**SHRS-N 560 Review of Nutrition Standards (3 cr.)** Review of various nutrition standards, including those of the United States, the United Kingdom, Canada, and the World Health Organization. Course includes a review of all cited literature for one of the nutrients listed in the Recommended Dietary Allowances.

**SHRS-N 563 Research Methods in Nutrition and Dietetics (3 cr.)** P: dietetic internship. Study of research methodology utilized in dietetics. Course includes critique of literature and preparation of research proposal.

**SHRS-N 567 Management Issues in Dietetics (1 cr.)** P: dietetic internship. Advanced study in institutional and hospital dietetic management, including personnel, financial, operational, and regulatory issues.

**SHRS-N 570 Pediatric Nutrition I (3 cr.)** P: B500, BIOL 557, undergraduate metabolic nutrition course, or consent of instructor. An application of principles of physiology, biochemistry, and nutrition to the specialized nutrient needs and nutritional care of healthy infants, children, and adolescents and those with the most common pediatric conditions, illnesses, or disorders of broad nutritional significance.

**SHRS-N 572 Advanced Pediatric Nutrition (3 cr.)** P: N550, N570, or consent of instructor. An application of principles of physiology, biochemistry, and nutrition to the specialized nutrient needs and nutritional care of infants, both preterm and term, and patients with complex pediatric conditions/illnesses that have a significant nutritional component.

**SHRS-N 574 Nutrition Management of High Risk Neonates and Infants (3 cr.)** P: N550, N572, or consent of instructor. An application of physiology, biochemistry, and nutrition to the specialized nutrient needs and nutritional care of neonates, both preterm and term, who require intensive care. Discussions will include nutrition management issues related to the infant during hospitalization, at discharge and in the home environment.

**SHRS-N 576 Leadership Development in Pediatric Nutrition (3 cr.)** P: consent of instructor. This course is an entry-level leadership development series of experiential learning activities, including a leadership development

project for post-graduate health care professionals and fellows.

**SHRS-N 590 Dietetic Internship (4-10 cr.)** P: dietetic internship. Supervised clinical experience in clinical and community nutrition and food service systems management. Course meets the requirements of the American Dietetic Association for the postbaccalaureate experience needed for dietetic registration. Previous admission into dietetic internship required. May be taken for a maximum of 22 credit hours. Not applicable to a graduate degree program.

**SHRS-N 591 Seminar in Nutrition and Dietetics (1 cr.)** P: consent of instructor. Exploration of various topics and issues in nutrition. May be repeated for a maximum of 4 credits.

**SHRS-N 593 Topics in Nutrition (1-3 cr.)** P: consent of instructor. Exploration of a selected topic in nutrition at an advanced level. May be repeated once for credit if topics differ.

**SHRS-N 595 Readings in Nutrition (1-3 cr.)** P: consent of instructor. Individualized readings on topics not covered in regular course offerings.

**SHRS-N 596 Clinical Dietetics (arr. cr.)** Clinical study in specialized areas of dietetics. May be taken more than once with the consent of the department for a maximum of 15 credit hours.

**SHRS-N 598 Research in Dietetics (arr. cr.)** Original research as approved by the department.

### Occupational Therapy

**SHRS-T 525 Reflective Seminar I (1 cr.)** Course will facilitate the synthesis of research, reflect the curriculum themes and outcomes, and support the plan of scholarly contribution.

**SHRS-T 542 Occupations of Infants and Children (5 cr.)** Course will focus on the development, support, and disruption of performance in areas of occupation of infants and children utilizing the occupational therapy process to evaluate and intervene. Laboratory and fieldwork components will emphasize individual engagement in occupations within various social and cultural contexts.

**SHRS-T 552 Occupations of Adolescents and Young Adults (5 cr.)** Course will focus on the development, wellness, and disruption of performance in areas of occupation of adolescents and young adults utilizing the occupational therapy process to evaluate and intervene. Laboratory and fieldwork components will emphasize individual engagement in occupations within various social and cultural contexts.

**SHRS-T 553 Topics in Occupational Therapy (1-5 cr.)**

**SHRS-T 557 Group Process in Occupational Therapy (2 cr.)** Principles and concepts of group process related to occupational therapy practice.

**SHRS-T 558 Occupational Therapy Management in Today's Health and Community Systems (3 cr.)** A study of the occupational therapist's role in the management of service delivery in both health and community systems. Managed care, managerial functions, professionalism, ethics, and various laws are emphasized.



**SHRS-T 560 Introduction to Occupational Science and Occupational Therapy (3 cr.)** Examination of the use of occupation as a therapeutic tool through the study of occupation, occupational science, activity analysis, and therapeutic use of self.

**SHRS-T 561 Theoretical Foundations of Occupational Therapy (3 cr.)** Conceptualization and synthesis of existing models, frames of reference, paradigms, and theories of occupational therapy for practice.

**SHRS-T 567 Research and Occupational Therapy (3 cr.)** Course is designed to prepare the student to participate in research, emphasizing the use of technology.

**SHRS-T 568 Evidence-Based Research in Occupational Therapy (3 cr.)** Prepares the student to evaluate occupational therapy practice and assure that it is increasingly evidence-based by examining the design and implementation of beginning-level research studies, developing the basic skills necessary for the publication and presentation of research projects, and developing a basic understanding of the process of securing grants.

**SHRS-T 571 Kinesiology for the Occupational Therapist (3 cr.)** Course introduces the occupational therapy graduate student to the principles of human movement including biomechanical analysis, joint structure and function, muscle physiology, and musculoskeletal function for occupational performance.

**SHRS-T 572 Pathophysiology: Impact of Conditions on Occupations (3 cr.)** Identification and study of major medical and psychiatric conditions including clinical description, etiology and pathology, medical/surgical treatment, rehabilitation, and prognosis. Treatment team approach and legal issues will be presented. Labs will emphasize occupational impact of medical/psychiatric conditions.

**SHRS-T 575 Applied Neuroscience for the Occupational Therapist (4 cr.)** Course will build upon the student's understanding of anatomy. Using the resources of the course, students will master the vocabulary, comprehend foundational concepts, and apply this information through case studies.

**SHRS-T 580 Graduate Electives (3 cr.)** One graduate elective is required. OT students who choose to do a thesis are not required to take an elective. Students will be encouraged to take an elective that complements their area of interest. During the second semester of their second year, an additional elective could be taken, after planning with their faculty advisor.

**SHRS-T 625 Reflective Seminar II (1 cr.)** Course will facilitate the synthesis of research, reflect the curriculum themes and outcomes, and continue to support the plan of scholarly contribution.

**SHRS-T 643 Occupations of Adults and Older Adults (5 cr.)** Course will focus on the disruption of performance in areas of occupation of adults and older adults utilizing the occupational therapy process to evaluate and intervene. Laboratory and fieldwork components will emphasize individual engagement in occupations within various social and cultural contexts.

**SHRS-T 655 Technologies in Occupational Therapy (3 cr.)** This lecture and laboratory course introduces the concepts of positioning, environmental adaptations, orthotics, prosthetics, computer uses and technologies, assistive devices, and adaptive equipment. Low technology will be the focus; some expansion to high technology will also be discussed.

**SHRS-T 657 Psychosocial Dimensions of Therapeutic Relationships and Occupations (2 cr.)** Understanding and application of therapeutic use of self in establishing and maintaining client therapist in using a helping model and therapeutic dialogue.

**SHRS-T 658 Professional Trends and Issues in Occupational Therapy (2 cr.)** P: W510. Course involves student research, discussion and demonstration of knowledge, emphasizing reimbursement, system delivery, service models, clinical education, credentialing, and other current issues in OT. Several class topics will be students' choice.

**SHRS-T 662 Occupations of Adults and Older Adults (5 cr.)** This course will focus on the disruption of performance in areas of occupation of adults and older adults utilizing the occupational therapy process to evaluate and intervene. Laboratory and fieldwork components will emphasize individual engagement in occupations within various social and cultural contexts.

**SHRS-T 667 Nonthesis OT Project (3 cr.)** Course prepares the student to design and implement a beginning research study.

**SHRS-T 668 Nonthesis OT Project Completion (2 cr.)** Course is designed to allow the student to complete the research study project.

**SHRS-T 695 Fieldwork Level II-A: Infants & Children (5 cr.)** P: successful completion of Semesters I and II professional courses. An eight-week fieldwork experience in an infant and child area of practice with pediatric occupational therapy services.

**SHRS-T 696 Fieldwork Level II-B: Adolescents & Young Adults (5 cr.)** P: successful completion of Semesters I and II professional courses. An eight-week fieldwork experience in an adolescent and young adult area of practice with occupational therapy services.

**SHRS-T 697 Fieldwork Level II-C: Adults & Older Adults (5 cr.)** P: successful completion of Semesters I, II, III, and IV professional courses. An eight-week fieldwork experience in an adult and older adult area of practice with occupational therapy services.

**SHRS-T 698 Fieldwork Level II-D: Specialty (optional) (3-5 cr.)** P: successful completion of T695, T696, and T697. Four- to eight-week optional experience providing OT students an opportunity to select a specialized practice area.

**SHRS-T 701 OT Thesis (6 cr.)** Proposal development leading to thesis as directed by the chair of the thesis committee.

**SHRS-T 702 OT Thesis Completion (2 cr.)** Research leading to thesis as directed by the chair of the thesis committee.

## Physical Therapy

**SHRS-P 510 Integrated Clinical Education I (1 cr.)** The initial part-time weekly clinical laboratory experience which provides student exposure to clinical physical therapy practice in various patient care settings.

**SHRS-P 511 Framework for Clinical Decision Making and Professionalism (2 cr.)** An overview of the profession of physical therapy and the professional education process. Includes the role of physical therapy in contemporary health care delivery, the disablement model, and an introduction to the APTA Guide to Practice as components of the clinical reasoning process.

**SHRS-P 513 Functional Anatomy and Clinical Biomechanics (4 cr.)** Integration of foundational knowledge of gross anatomy with structure and function of the neuromusculoskeletal system and human motion. Includes the study of the concepts of biomechanics, and joint structure and function as they apply to physical therapy interventions.

**SHRS-P 514 Evidence-Based Critical Inquiry I (2 cr.)** Introduction to clinical research methodology and critical interpretation of the professional literature.

**SHRS-P 515 Physical Therapy Examination & Interventions I (6 cr.)** First of two courses covering examination, evaluation, and intervention aspects of physical therapy practice. Emphasis is on history taking, systems review, functional examination and intervention, and documentation.

**SHRS-P 520 Clinical Integration II (1 cr.)** The second part-time weekly clinical laboratory experience which provides student exposure to clinical physical therapy practice in various patient care settings.

**SHRS-P 524 Cardiopulmonary Practice Patterns (3 cr.)** Provides the essential knowledge base for development of exercise prescriptions for well populations and for physical therapy interventions for patients with cardiopulmonary pathologies or dysfunctions.

**SHRS-P 526 Physical Therapy Examination & Interventions II (5 cr.)** The second of two courses covering examination, evaluation, and interventional aspects of physical therapy practice. Regional application is emphasized along with corresponding documentation.

**SHRS-P 531 Clinical Pathophysiology I (4 cr.)** This two part course is designed to provide students with knowledge in normal and abnormal physiology, including an understanding of how cells, tissue, organs and organ systems work together. The first semester includes modules on how cell physiology, metabolism, muscle, cardiovascular, respiratory, and endocrine systems.

**SHRS-P 532 Legal and Ethical Issues in Physical Therapy (2 cr.)** Includes essential information related to ethical, legal, and professional practice regulations and standards of care. Interpersonal communication skills for the healthcare environment are also presented.

**SHRS-P 533 Lifespan Motor Control and Motor Development (2 cr.)** Overview of human neuromusculoskeletal development across the lifespan.

**SHRS-P 534 Introduction to Motor Sciences (2 cr.)** Principles and concepts of motor learning and motor

control for the development of physical therapy interventions.

**SHRS-P 535 Clinical Pathophysiology II (4 cr.)** This course is a continuation of Clinical Pathophysiology I. Course content will focus on normal and abnormal physiology pertaining to information on the following modules: renal, gastrophysiology, oncology, hematology, endocrine and metabolic bone diseases.

**SHRS-P 541 Musculoskeletal Practice Patterns I (4 cr.)** Physical therapy management of patients with impaired posture, joint mobility, motor function, and muscle performance. Integrates previous course work involving evaluation and interventions.

**SHRS-P 570 Pharmacology for Physical Therapists (3 cr.)** Survey of contemporary pharmacology including pharmacokinetic principles with special emphasis on the relation of drug therapy to therapeutic interventions provided by physical therapists.

**SHRS-P 599 Clinical Education I (3 cr.)** Initial full-time clinical experience lasting six weeks. This course will serve as the introduction to clinical integration of physical therapy knowledge and skills. Students will be assigned to specific sites.

**SHRS-P 622 Musculoskeletal Practice Patterns II (4 cr.)** Physical therapy management of patients with impaired joint mobility, motor function, and muscle performance associated with spinal dysfunction, connective tissue disorders, trauma, and surgical procedures.

**SHRS-P 641 Neurorehabilitation I (4 cr.)** Physical therapy management of stroke, spinal cord, and brain injury.

**SHRS-P 642 Neurorehabilitation II (4 cr.)** Physical therapy management of individuals with movement disorders, balance/vestibular problems, cerebral palsy, and genetic disorders.

**SHRS-P 643 Psychosocial Dimensions of Physical Therapy Practice (2 cr.)** Social, psychological, and behavioral components of patient-therapist interactions are illustrated, including grief, loss, motivation, social support, and cultural influences among diverse patient populations.

**SHRS-P 645 Evidence-Based Critical Inquiry II (2 cr.)** Development, approval, and generation of the proposal for the review of the literature related to a specific topic in patient outcomes assessment or other approved area.

**SHRS-P 646 Introduction into Therapeutic Interventions (4 cr.)** This course provides an introduction to the theory and application of therapeutic interventions utilized in physical therapist practice. Interventions include: (1) therapeutic exercise testing and prescription; (2) thermal, acoustic, mechanical, and electrotherapeutic physical agents; and (3) basic concepts of soft tissue massage.

**SHRS-P 650 Integumentary Practice Patterns (2 cr.)** The physical therapy management of the integumentary system with special emphasis on physical therapy interventions for burns and various types of wounds.

**SHRS-P 660 Selected Topics in Physical Therapy Practice (3 cr.)** Introduction to emerging physical therapy practice patterns in such areas as women's health, occupational health, chronic metabolic and immunologic diseases, and cognitive and emotional disorders.

**SHRS-P 661 Prosthetic and Orthotic Interventions (2 cr.)** Includes both theory and application of orthotic and prosthetic devices and equipment utilized in physical therapy interventions.

**SHRS-P 664 Administration and Management of Physical Therapy Services (3 cr.)** The administration and management of physical therapy services in the context of multiple types of healthcare systems.

**SHRS-P 675 Capstone Seminar (1 cr.)** Capstone seminar experience integrating classroom and clinical learning. Presentations mentored by clinical and academic faculty will be required.

**SHRS-P 680 Health Promotion and Community Outreach (2 cr.)** Essential concepts related to the roles of physical therapists in prevention and in the promotion of health, wellness, and fitness. Course includes application of concepts through service component in selected community agencies.

**SHRS-P 685 Independent Study (1-3 cr.)** This course offers students an opportunity to learn from faculty activities by participating in research or teaching labs in an area of interest. The educational objectives and assignments are customized by faculty according to the intent of the learning activity.

**SHRS-P 689 Clinical Elective (1-3 cr.)** Clinical education experience in a student-requested content area which provides students the opportunity to apply theory and skills in physical therapy examination and intervention with patients in a specialized physical therapy clinical practice area.

**SHRS-P 695 Clinical Education II (3 cr.)** Full-time clinical experience of 6 weeks duration, which provides students the opportunity to apply theory and skills in physical therapy interventions with specific patient populations.

**SHRS-P 696 Clinical Education III (5 cr.)** Full-time clinical experience of 12 weeks duration, which provides students the opportunity to apply theory and skills in physical therapy interventions with specific patient populations.

**SHRS-P 697 Clinical Education IV (4 cr.)** Full-time clinical experience of 6 weeks duration, which provides students the opportunity to apply theory and skills in physical therapy interventions with specific patient populations.

**Rehabilitation and Disabilities Studies Certificate HIA-M 330 Medical Terminology (or equivalent) (2 cr.)** Understanding and use of the language of medicine including build, analyze, define, pronounce, and spell diagnostic terms that relate to the structure of the body systems. [vocabulary standards]

**SHRS-W 320 Survey of Adaptive Rehabilitation Technology (3 cr.)** Assisting students in the knowledge/awareness of available high-tech/low-tech equipment, or product systems that are used in rehabilitation settings to

increase, maintain, or improve functional capabilities of individuals with disabilities, emphasizing the application of clinically-based strategies for determining an individual's need for and acceptance of adaptive technology to improve functional outcomes.

**SHRS-W 330 Approaches to Rehabilitation Case Management (3 cr.)** Exploring the historical perspective, technological and humanitarian advances, and major issues in the rehabilitation administrative environment; discussing and analyzing the legislative mandates relative to their effects on shaping the administrative environment in rehabilitation; acquiring knowledge of the process and significance of administrative competency in delivering services to rehabilitation consumers.

**SHRS-W 340 Psychological Aspects of Disability (3 cr.)** P: Medical Terminology Course or equivalent. Students will review medical terminology and gain an understanding of major disabling conditions, the psychological and vocational aspect of adjustment to disability and chronic long term illness, and examine psychological and social theories related to disability and chronic illness and Code of Ethics.

**SHRS-W 420 Proposal Writing for Community-Based Rehabilitation Programs (3 cr.)** An interactive educational opportunity to develop skills related to fund development in a community rehabilitation setting, providing an overview of the grant development process. Students will research local and national funding sources and learn about traditional and non-traditional sources to develop and maintain community-based rehabilitation programs. Includes guest speakers.

**SHRS-W 430 Practicum in Rehabilitation and Disability (3 cr.)** Designed to give students direct work experience in various private and public sector rehabilitation agencies, this experiential component allows the student an opportunity to apply his/her newly acquired normative and cognitive skills and knowledge in an actual work setting.

**SHRS-W 440 Medical Aspects of Disabilities (3 cr.)** The primary emphasis of this survey course is on medically determined aspects of disabling impairments and disabilities. Students will learn the functional limitations associated with major disabling conditions particularly as they relate to the delivery of rehabilitation services. Current trends and methodologies involved in rehabilitation processes will be covered.

## Student Learning Outcomes

### Doctoral Programs

- Doctor of Philosophy in Health and Rehabilitation Sciences (Ph.D.)
- Doctor of Physical Therapy (D.P.T.)

### Master's Programs

- Master of Science in Health Sciences (M.S.)
- Master of Science in Nutrition and Dietetics (M.S.N.D.)
- Master of Science in Occupational Therapy (M.S.O.T.)

### Certificate Programs

- E-Learning Graduate Certificate Program - Leadership in Clinical Pediatric Nutrition
- MCH Leadership in Education Excellence in Pediatric Nutrition Certificate

### Internships

- Dietetic Internship

## Doctor of Philosophy in Health and Rehabilitation Sciences (Ph.D.)

Students accepted into the Ph.D. program will have a disciplinary expertise beyond the baccalaureate level. Examples of this include, but are not limited to, dietetics, occupational therapy, and physical therapy.

Program graduates will be educated so as to be able to use their disciplinary expertise to subsequently engage in substantive contributions in the field of rehabilitation in the areas of research, education and health services.

Graduates of the program will be able to:

1. Articulate the theoretical frameworks of rehabilitation with particular focus on its relevance to their discipline.
2. Describe theories of health promotion and disease prevention.
3. Demonstrate enhancement of their knowledge base of health and rehabilitation sciences from an interdisciplinary perspective.
4. Analyze health services methodological approaches to rehabilitation.
5. Critically evaluate research in rehabilitation.
6. Access systematic reviews and meta-analysis databases so as to deepen their knowledge of best practices in rehabilitation.
7. Engage in substantive research in rehabilitation as it relates to their discipline. This encompasses identifying a line of inquiry and developing hypotheses; choosing appropriate methodology such as research design, instrumentation, and statistical analysis; collecting and analyzing data; and disseminating results.
8. Demonstrate an ethical approach to research activities.
9. Submit a research grant to an external agency.
10. Submit a manuscript to a peer reviewed publication.
11. Demonstrate the use of evidence based practice concepts to include the importance of considering patient/client values and preferences in their approach to rehabilitation.
12. Teach others about rehabilitation as it relates to their discipline.

## Doctor of Physical Therapy (D.P.T.)

A major mission of the Department of Physical Therapy is to prepare autonomous Doctors of Physical Therapy who by their commitment to advance the health and quality of life for all humanity are recognized as leaders among health professionals and the community. Graduates of this educational program will enter the profession as practitioners who are prepared to:

1. Practice as autonomous point-of-entry providers of physical therapy services in adherence to ethical, professional, and legal standards within a variety of clinical and community settings.
2. Communicate verbally and in writing with patient/clients and their caregivers, colleagues, legislators, third-party payors, and other constituents.
3. Demonstrate proficiency in providing culturally competent care across the lifespan.
4. Demonstrate decision-making skills including clinical reasoning, clinical judgment, and reflective practice.
5. Screen patients/clients to determine the need for further examination or consultation by a PT or referral to another health care professional.
6. Demonstrate competence in examination and re-examination of a patient/client using evidence based tests and measures.
7. Evaluate all available data (including examination, medical, and psychosocial) to establish and communicate a physical therapy diagnosis and to determine patient/client prognosis.
8. Establish a collaborative physical therapy plan of care that is safe, effective, patient/client-centered, and evidence-based.
9. Demonstrate accountability for the efficient, coordinated management of care (primary, secondary, or tertiary) based on the patient's/client's goals and expected functional outcomes.
10. Implement safe and effective physical therapy intervention plans within a variety of care delivery settings including reflective practice leading to optimal outcomes.
11. Provide effective education for patient/clients, caregivers, colleagues and the general public.
12. Contribute to the advancement of physical therapy practice through critical evaluation and informed application of the findings of professional and scientific literature.
13. Complete accurate and concise documentation in a timely manner that supports the problem solving process and follows guidelines and specific documentation formats required by the practice setting.
14. Participate in the administration of PT services including delegation and supervision of support personnel, management planning, marketing, budgeting, reimbursement activities and clinical education of students.
15. Provide consultation services to individuals and groups including by providing wellness and health promotion program appropriate to physical therapy.
16. Formulate and implement a plan for personal and professional development and life-long learning based on self-assessment, reflection and feedback from others.
17. Demonstrate social and professional responsibility through mentoring and participation in professional and community organizations and activities.

## Master of Science in Nutrition and Dietetics (M.S.N.D.)

Graduate students earning the Master of Science in Nutrition and Dietetics degree will demonstrate the following abilities:

1. Demonstrate the knowledge and skills necessary to conduct original research, or complete a translational project within the discipline of nutrition and dietetics as evidenced by their master's thesis or project.
2. Communicate nutrition information effectively as evidenced by the defense of their thesis or project.
3. Think critically and creatively to evaluate the literature in the field of nutrition and dietetics as evidenced by their master's thesis or project.
4. Apply ethics within the field of nutrition & dietetics as evidenced by preparation of the master thesis or project.

## E-Learning Graduate Certificate Program - Leadership in Clinical Pediatric Nutrition

At the end of the e-learning certificate program, students will be able to provide advanced level, specialty nutritional care for infants, children and adolescents including those with special health needs. All the students who successfully complete the program will demonstrate the use of the following competencies and learning outcomes:

1. Apply normative and authoritative guidelines to the evaluation of the nutrition and feeding of infants, children, and adolescents including those with special health needs.
2. Assess/evaluate growth and nutrient intakes (parenteral and enteral) relative to age and medical condition of infants, children and adolescents including those with special health needs using appropriate normative data.
3. Create appropriate nutrition care plans for infants, children, and adolescents including those with special health needs.
4. Create appropriate roles for the dietitian caring for infants, children, and adolescents including those with special health needs.
5. Create appropriate strategies for improving health/nutrition care services and systems, using the five practices of exemplary leadership (Kouzes and Posner 2003).

## Dietetic Internship

**Scientific and Evidence Base of Practice:** integration of scientific information and research into practice

1. DI 1.1 Select appropriate indicators and measure achievement of clinical, programmatic, quality, productivity, economic, or other outcomes.
2. DI 1.2 Apply evidence-based guidelines, systematic reviews, and scientific literature (such as the ADA Evidence Analysis Library, Cochran Database of Systematic Reviews, and the US Department Health and Human Services, Agency for Healthcare Research and Quality, National Guideline Clearinghouse Web sites) in the nutrition care process and model and other areas of dietetic practice.
3. DI 1.3 Justify programs, products, services, and care using appropriate evidence or data.
4. DI 1.4 Evaluate emerging research for application in dietetics practice.

5. DI 1.5 Conduct research projects using appropriate research methods, ethical procedures, and statistical analysis.

**Professional Practice Expectations:** beliefs, values, attitudes and behaviors for the professional dietitian level of practice

1. DI 2.1 Practice in compliance with current federal regulations and state statues and rules, as applicable and in accordance with accreditation standards and the ADA Scope of Dietetics Practice Framework, Standards of Professional Performance and Code of Ethics for the Profession of Dietetics.
2. DI 2.2 Demonstrate professional writing skills in preparing professional communications (e.g. research manuscripts, project proposals, education materials, policies and procedures.
3. DI 2.3 Design, implement, and evaluate presentations considering life experiences, cultural diversity and educational background of the target audience.
4. DI 2.4 Use effective education and counseling skills to facilitate behavior change.
5. DI 2.5 Demonstrate active participation, teamwork and contributions in group settings.
6. DI 2.6 Assign appropriate patient care activities to DTR's and/or support personnel considering the needs of the patient/client or situation, the ability of support personnel, jurisdictional law, practice guidelines and policies within the facility.
7. DI 2.7 Refer clients and patients to other professionals and services when needs are beyond individual scope of practice.
8. DI 2.8 Demonstrate initiative by proactively developing solutions to problems.
9. DI 2.9 Apply leadership principles effectively to achieve desired outcomes.
10. DI 2.10 Serve in professional and community organizations.
11. DI 2.11 Establish collaborative relationships with internal and external stakeholders, including patients, clients, care givers, physicians, nurses and other health professionals, administrative and support personnel to facilitate individual and organizational goals.
12. DI 2.12 Demonstrate professional attributes such as advocacy, customer focus, risk taking, critical thinking, flexibility, time management, work prioritization. and work ethic within various organizational cultures.
13. DI 2.13 Perform self-assessment, develop goals and objectives and prepare a draft portfolio for professional development as defined by the Commission on Dietetic Registration.
14. DI 2.14 Demonstrate assertiveness and negotiation skills while respecting life experiences, cultural diversity and educational background.

**Clinical and Customer Services:** development and delivery of information, products and services to individuals, groups and populations

1. DI 3.1 Perform the Nutrition Care Process (a through d below) and use standardized nutrition language for

- individuals, groups and populations of differing ages and health status in a variety of settings.
2. DI 3.1.a. Assess the nutritional status of individuals, groups and populations in a variety of settings where nutrition care is or can be delivered
  3. DI 3.1.b. Diagnose nutrition problems and create problem, etiology, signs and symptoms (PES) statements.
  4. DI 3.1.c. Plan and implement nutrition interventions to include prioritizing the nutrition diagnosis, formulating a nutrition prescription, establishing goals and selecting and managing intervention.
  5. DI 3.1.d Monitor and evaluate problems, etiologies, signs, symptoms and the impact of interventions on the nutrition diagnosis.
  6. DI 3.2 Develop and demonstrate effective communication skills using oral, print, visual, electronic and mass media methods for maximizing client education, employee training and marketing.
  7. DI 3.3 Demonstrate and promote responsible use of resources including employees, money, time, water, energy, food and disposable goods.
  8. DI 3.4 Develop and deliver products, programs or services that promote consumer health, wellness and lifestyle management merging consumer desire for taste, convenience and economy with nutrition, food safety and health messages and interventions.
  9. DI 3.5 Deliver respectful, science-based answers to consumer questions concerning emerging trends.
  10. DI 3.6 Coordinate procurement, production, distribution and service of goods and services.
  11. DI 3.7 Develop and evaluate recipes, formulas and menus for acceptability and affordability that accommodate the cultural diversity and health needs of various populations, groups and individuals.

**Practice Management and Use of Resources:** strategic application of principles of management and systems in the provision of services to individuals and organizations

1. DI 4.1 Use organizational processes and tools to manage human resources.
2. DI 4.2 Perform management functions related to safety, security and sanitation that affect employees, customers, patients, facilities and food.
3. DI 4.3 Apply systems theory and process approach to make decisions and maximize outcomes.
4. DI 4.4 Participate in public policy activities, including both legislative and regulatory initiatives.
5. DI 4.5 Conduct clinical and customer service quality management activities.
6. DI 4.6 Use current informatics technology to develop, store, retrieve and disseminate information and data.
7. DI 4.7 Prepare and analyze quality, financial or productivity data and develops a plan for intervention.
8. DI 4.8 Conduct feasibility studies for products, programs or services with consideration of costs and benefits.
9. DI 4.9 Obtain and analyze financial data to assess budget controls and maximize fiscal outcomes.
10. DI 4.10 Develop a business plan for a product, program or service including development of a budget, staffing needs, facility requirements and supplies.

11. DI 4.11 Complete documentation that follows professional guidelines, guidelines required by health care systems and guidelines required by the practice setting.
12. DI 4.12 Participate in coding and billing of dietetics/nutrition services to obtain reimbursement for services from public or private insurers.

## **MCH Leadership in Education Excellence in Pediatric Nutrition Certificate**

At the end of the MCH certificate program, students will be able to provide advanced level, specialty nutritional care for infants, children, and adolescents including those with special health needs.

All the students who successfully complete the program will demonstrate the use of the following competencies and learning outcomes.

1. Apply normative and authoritative guidelines to the evaluation of the nutrition and feeding of infants, children, and adolescents including those with special health needs.
2. Assess/evaluate growth and nutrient intakes (parenteral and enteral) relative to age and medical condition of infants, children and adolescents including those with special health needs using appropriate normative data.
3. Create appropriate nutrition care plans for infants, children, and adolescents including those with special health needs.
4. Create appropriate roles for the dietitian caring for infants, children, and adolescents, including those with special health needs.
5. Create appropriate strategies for improving health/nutrition care services and systems, using the five practices of exemplary leadership (Kouzes and Posner 2003).

## **Master of Science in Health Sciences (M.S.)**

The M.S. in Health Sciences degree is an interdisciplinary graduate degree program designed for health and rehabilitation professionals and educators. Students accepted into the M.S. in Health Sciences program will acquire advanced knowledge in, and an understanding of current trends and issues in health sciences.

They will be guided in developing the problem solving skills to prepare themselves to assume leadership roles in practice and educational settings. Graduates of the program will be able to:

1. Articulate the current trends and issues associated with the health sciences.
2. Describe theories of health promotion and disease prevention.
3. Compare and contrast health and rehabilitation systems across the world.
4. Critically evaluate research in rehabilitation.
5. Access systematic reviews and meta-analysis databases.
6. Engage in substantive research in health and rehabilitation.

7. Demonstrate an ethical approach with regard to rehabilitation services.
8. Demonstrate the use of evidence based practice concepts.
9. Articulate the ways in which diversity impacts health and rehabilitation.
10. Be employed upon graduation, or accepted into post graduate educational programs.

## Master of Science in Occupational Therapy (M.S.O.T.)

A major objective of the Department of Occupational Therapy is to prepare competent and contemporary occupational therapists with a Master of Science. These practitioners, by their commitment to advance the health, wellness, and quality of life for the clients they serve are recognized as leaders among health and rehabilitation professionals.

Graduates of this educational program will enter the profession as practitioners who are prepared to:

1. Be mindful, reflective, ethical, and critical thinking (reasoning) practitioners.
2. Anticipate, analyze, and address occupational needs using occupation-based interventions.
3. Advocate, communicate, and contribute to our discipline and profession in existing and emerging practice areas.
4. Value and demonstrate civic engagement, professional engagement and community participation.
5. Become role models, partners, and collaborators attentive to minority and underserved populations.
6. Discern entry-level positions that reflect their skills, interests, and abilities in a variety of practice settings.
7. Value life-long learning through continuing professional development, specialty certification, and/or doctoral education.
8. Analyze and synthesize program outcomes.
9. Adhere to safety regulations with patient/client care.
10. Adhere to ethical practices.
11. Use judgement in safety for self and others.
12. Demonstrate ability to collaborate through practice and/or discussion.
13. Produce clear documentation of client services.
14. Communicate effectively; verbally and non-verbally.
15. Demonstrate professional behaviors.

## Academic Programs

### Doctoral Programs

- Doctor of Philosophy in Health and Rehabilitation Sciences
- Doctor of Physical Therapy

### Master's Programs

- Master of Science in Health Sciences
- Master of Science in Nutrition and Dietetics
- Master of Science in Occupational Therapy

### Other Programs

- Dietetic Internship

- e-Learning Graduate Certificate Program in Leadership in Clinical Pediatric Nutrition
- Leadership in MCH Nutrition (Pediatric Focus) Fellowship and Certificate Program

## Other Programs

- Dietetic Internship
- [e-Learning Graduate Certificate Program in Leadership in Clinical Pediatric Nutrition](#)
- [Leadership in MCH Nutrition \(Pediatric Focus\) Fellowship and Certificate Program](#)

## Leadership in MCH Nutrition (Pediatric Focus) Fellowship and Certificate Program

The Leadership in MCH Nutrition (Pediatric Focus) Fellowship and Certificate Program is located at the Indiana University Medical Center and in James Whitcomb Riley Hospital for Children in Indianapolis. The Department of Nutrition and Dietetics and the Department of Pediatrics within the Indiana University School of Medicine jointly sponsor this program, which has been supported by the Bureau of Maternal and Child Health and Resources Development (Health and Human Services) since 1978.

The Leadership in MCH Nutrition (Pediatric Focus) Fellowship and Certificate Program for dietitians/nutritionists is four to six months in length. The fellowship consists of didactic (10 hours per week) and clinical experiences to provide or enhance the pediatric nutrition knowledge, clinical expertise, and leadership skills of the dietitian/nutritionist. The four-month fellowship provides a core of pediatric nutrition competencies related to infants, children, and adolescents with special health needs. During the last two months of the six-month fellowship, fellows may specialize in one of three areas:

- care of newborns in intensive care units and following discharge
- nutritional care of children with special health needs
- nutritional care of adolescents, including those with diabetes

Core training occurs at Riley Hospital, community public health clinics, and the Indiana State Board of Health central office in Indianapolis. The fellowship program accepts four to six dietitians/nutritionists annually. Although helpful, a masters degree is not required for fellowship eligibility. The Pediatric Nutrition Fellowship Program begins in January.

### Admission Requirements

The clinical pediatric nutrition student must be a registered dietitian (Commission on Dietetic Registration) and have a minimum of 12 months of clinical experience, or approval by the Program Director. A master's degree in nutrition or enrollment in a master's degree program in nutrition is highly desirable.

### For further information, contact:

Professor Karyl Rickard, Ph.D., R.D.  
IUPUI Department of Nutrition and Dietetics  
224 Coleman Hall  
1140 W. Michigan Street  
Indianapolis, IN 46202

Phone: (317) 278-0933  
 Fax: (317) 278-3940  
 E-mail: [krickard@iupui.edu](mailto:krickard@iupui.edu)

## Dietetic Internship Program

The Dietetic Internship Program, founded in 1918, is accredited by the Commission on Accreditation of Dietetic Education and meets 2008 accreditation standards. The program is 10 months long, with a concentration in clinical and customer service. The Dietetic Internship Program includes 8 credits of graduate course work (the equivalent of one full-time semester) and a minimum of 1,232 supervised clinical practice hours. The program begins in mid August and concludes in late June. The Dietetic Internship Program accepts 16 interns annually. Internships may be combined with the M.S. in Nutrition and Dietetics.

### Admission requirements

- a bachelors degree from an accredited college or university
- minimum cumulative grade point average of 3.0 (on a 4.0 scale)
- GRE scores
- completion of current academic requirements of the Commission on Accreditation of Dietetic Education (must be verified by approved undergraduate dietetic program)
- work experience
- must participate in American Dietetic Association Computer Match Process

### For further information, contact:

Dawn Lipker, Student Enrollment Services Coordinator  
 IUPUI School of Health and Rehabilitation Sciences  
 Coleman Hall 120  
 1140 W. Michigan Street  
 Indianapolis, IN 46202  
[dlipker@iupui.edu](mailto:dlipker@iupui.edu)

## e-Learning Clinical Pediatric Nutrition Program

The e-Learning Graduate Certificate Program in Leadership in Clinical Pediatric Nutrition provides the didactic course work offered by the Leadership in MCH Nutrition (Pediatric Focus) Fellowship and Certificate Program. This four course (12 credit hours) e-learning certificate is designed to provide registered dietitians with specialized pediatric nutrition knowledge, clinical and leadership skills in pediatric health care. The e-learning certificate courses transfer to the Master of Science in Nutrition and Dietetics.

The e-learning Graduate Certificate Program in Leadership in Clinical Pediatric Nutrition includes the following courses:

SHRS N 570	Pediatric Nutrition	3cr.
SHRS N 572	Advanced Pediatric Nutrition	3cr.
SHRS N 576	Leadership Development in Clinical Pediatric Nutrition	3cr.
SHRS N574	Nutrition Management of	3cr.

<b>OR</b>	the High Risk Infant in the Newborn Intensive Care Unit	
SHRS N 596	Clinical Dietetics	3cr.

### Admission Requirements

The clinical pediatric nutrition student must be a registered dietitian (Commission on Dietetic Registration) and have a minimum of 12 months of clinical experience, or approval by the Program Director. A master's degree in nutrition or enrollment in a master's degree program in nutrition is highly desirable.

### For further information, contact:

Professor Karyl Rickard, Ph.D., R.D.  
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 224 Coleman Hall  
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 Indianapolis, IN 46202

Phone: (317) 278-0933  
 Fax: (317) 278-3940  
 E-mail: [krickard@iupui.edu](mailto:krickard@iupui.edu)

## Contact Information

If you would like to speak with someone directly about our school, please contact:

Kaitlin Bell, Assistant to the Dean  
 (317) 274-4704  
[kaitbell@iupui.edu](mailto:kaitbell@iupui.edu)

## Admissions

- Ph.D. in Health and Rehabilitation Sciences
- Master of Science in Health Sciences
- Master of Physician Assistant Studies
- Master of Science in Nutrition and Dietetics
- Master of Science in Occupational Therapy
- Master of Science in Physical Therapy

## Physical Therapy

The Doctorate of Physical Therapy (D.P.T.) Program participates in the PTCAS program and accepts applications from July 5, 2011 through October 3, 2011 to begin the program the following fall. Students who have met all admission requirements and rank in the top 80-100 based on academic criteria (cumulative GPA, Math/Science prerequisite GPA, GRE scores) will be invited to an on campus interview. Interviews will be scheduled from 8:00 AM - 2:00 PM, date TBD. The interview is mandatory for both in and out of state invited applicants, so please be prepared to make travel arrangements to the IUPUI campus when requested.

### International Students

International students should visit [apply.iupui.edu/graduate](http://apply.iupui.edu/graduate) on the International Affairs website.

### Prerequisites

Prior to entering the D.P.T. degree program, students must have completed a baccalaureate degree from a regionally accredited institution and the following prerequisite courses. See the next section, Academic Requirements, for details.

- Humanities/Social Sciences (2 semesters)



- Introductory Statistics (1 semester)
- Human Anatomy (1 semester with lab)\*
- Human Physiology (1 semester with lab)\*
- Chemistry (2 semesters with labs)\*
- Physics (2 semesters with labs)\*
- Introductory Psychology (1 semester)
- Human Lifespan Development (1 semester)

Applicants will also need Medical Terminology demonstrated with formal coursework, online instruction with certificate of completion, or self-study with departmental examination.

\*Courses must be at a level for science majors

**NOTE:** Please consult with an undergraduate academic advisor for appropriate courses and semester sequence.

### Academic Requirements

The following criteria must be met by the application deadline (October 3, 2011).

1. Enrollment in the final year or completion of a baccalaureate degree from a regionally accredited institution.
2. Completion of all prerequisites or no more than two prerequisites remaining for completion.
3. A cumulative grade point average (GPA) of 3.2.
4. A math/science GPA of 3.2.
  - Includes grades earned in chemistry, physics, human anatomy, human physiology, and statistics.
5. Official Graduate Record Examination (GRE).
  - Visit the [GRE website at www.ets.org/gre](http://www.ets.org/gre)
  - You must select PTCAS Institution Code 7692 to receive your test results and share with the program.
6. Completion of Personal Essay included in the PTCAS online application for admission.
7. Completion of 40 clinical observation hours or work experience recorded on the [Clinical Observation Experience Form](#)
  - Must be from both inpatient and outpatient settings.
  - A minimum of 20 hours is required in each setting.
  - Additional hours are encouraged.

### Application Information

The D.P.T. program at IUPUI will participate in the Physical Therapist Centralized Application Service, known as PTCAS beginning in 2011. Students applying to the entry-level professional physical therapy program for the 2012 entering class will apply online using the PTCAS application. To learn more about the PTCAS application process, please visit the PTCAS web site at [www.ptcas.org](http://www.ptcas.org).

Submit application and supplemental materials July 5, 2011 through October 3, 2011 to be considered.

Applicants are evaluated for admission based upon:

- cumulative GPA
- math/science GPA
- prerequisite grades

- GRE scores
- observational hours
- personal statement
- admission interview

Significance is given to overall GPA and verbal GRE scores.

### Alternate List

Applicants not admitted to the class may be placed upon an "alternate list" and will be considered should a place in the program become available. Applicants placed on the alternate list that are not accommodated in the class will be considered for admission to the following year's class on competitive admission with that year's application cohort and will need to reapply during the following year's cycle.

### Policies

1. Applicants with no more than two (2) course prerequisites in progress may also apply for contingent admission to begin classes in fall semester.
2. Applicant's baccalaureate degree must be completed by June 15. No waivers or exceptions will be granted by the physical therapy program.
3. All prerequisites must be completed with a grade of "C" or better (2.00 on a 4.00 scale).
4. All applicants must have taken the GRE no more than 5 years prior to application.
5. Applicants will be allowed to apply one AP credit course toward the completion of their prerequisite requirements. If the AP course is a math/science prerequisite, GPA calculations will be obtained by omitting that specific course.
6. For applicants for non-native English speakers, a minimum TOEFL score of 628P, 267C, or 113i is required at the time of application. This policy is waived if the applicant has received an undergraduate degree from an accredited school in the United States by time of entrance into the program.

### Observational Experience

In addition to prerequisite course work, students must complete observational, volunteer or other work experiences in both inpatient (hospital based) and outpatient physical therapy settings (minimum of 20 hours in each). This allows the applicant to appreciate the differences in physical therapists' responsibilities in each setting. Each experience must be of sufficient length of time to enable the supervising physical therapist to adequately verify your experiences.

Applicants will enter all paid or volunteer PT observation hours on the PTCAS application. Verification is required of observation hours reported, this can be completed via electronic PT signatures or paper PT signatures as part of the PTCAS application process, details below:

### Electronic PT Signatures (strongly preferred)

1. Select the "ELECTRONIC" verification type.
2. Enter the e-mail address for PT.
3. After entering the experience, click the "SEND FOR VERIFICATION" button for that entry from your list of experiences.

4. Alert the P.T. to watch for an automated e-mail with the subject "PTCAS Observation Hour Verification Request".
5. If PTCAS e-mail is not received, instruct the P.T. to check spam/junk e-mail folders as some e-mail servers filter out messages from PTCAS.

### Paper PT Signatures

Use this option if the physical therapist does not have Internet access or previously verified your PT hours on a different form (e.g., the IU D.P.T. Clinical Observation Experience form).

1. Select the "PAPER" verification type.
2. Print the PTCAS observation hours verification form (PDF) for that particular experience.
3. Each bar-coded form is unique to both you and the physical therapist.
4. Deliver the form to the physical therapist.
5. Arrange for the signed form to be mailed to PTCAS.

If the physical therapist previously signed a different (IU D.P.T. Clinical Observation Experience) form to verify your hours, attach it to the PTCAS verification form and send both forms to PTCAS in a single envelope. Send only one signed form per experience, regardless of the number of programs you designate.

Send only one signed form per experience, regardless of the number of programs you designate.

Additional instructions are on the [PTCAS website](#).

### Medical Requirements

Basic immunizations as determined by [Student Health Center](#) must be completed by the first day of classes. Students must demonstrate proof of health insurance prior to entry into the Program and must maintain health insurance throughout their enrollment. List of basic immunizations include:

- Hepatitis B+ (3 vaccines)
- Measles-Mumps-Rubella (MMR)
- Tetanus/Diphtheria/Pertussis (Tdap required)
- TB Skin Test (completed within 3 months of beginning fall courses)
- Varicella (adequate titer, 2 vaccines, laboratory proof, letter from the diagnosing physician, or medical record history of having chickenpox)
- Polio

### Expenses

Credit hour rate for 2011-12 is \$460.30 for in-state residents and \$920.50 for out-of-state residents. Total tuition-only cost for in-state residents is \$47,410.90 and for out-of-state residents \$94,811.50. A non-refundable deposit of \$250 is required at the time the student accepts admission into the program. This deposit will be credited to the student's first semester tuition if the student matriculates into the program. The deposit will not be refunded if the student chooses not to attend the program after accepting the offer of admission.

[Detailed Cost Estimate Worksheet](#)

### Application Materials

Application and supplemental materials may be submitted beginning July 5, 2011, and all application materials must be postmarked by October 3, 2011.

Please read the directions below carefully and thoroughly. The majority of application materials will be submitted to PTCAS; however, there are two supplemental materials that are to be submitted directly to the IU D.P.T. Program.

### Materials to be submitted to PTCAS

- PTCAS application and fee.
- Official transcripts from all institutions attended.
- Official GRE scores (less than 5 years old) to PTCAS Institutional Code: 7692
- Reporting of observation hours (see the section Observational Experience)
- Personal Essay.
- IU D.P.T. program custom questions (3 total).
- NO references required.

Arrange for your PTCAS materials to be sent to the address below no later than October 3, 2011:

[Physical Therapist Centralized Application Service](#)  
PO Box 9112 Watertown, MA 02471

### Materials submitted directly to the IU D.P.T. program

- [Prerequisite Course Completion Form](#)
- [IUPUI Graduate Online Application\\*](#) (include \$60 as the non-refundable application fee)

Please use the information below for successful IUPUI application submission:

- Under "Intended Program and Plan" select the following:
  - What type of degree do you intend to pursue: Doctoral/Ph.D.
  - Academic Program: Health and Rehabilitation Professional
  - Academic Plan: Physical Therapy D.P.T.
  - Are you applying to a dual degree program: No
  - Term: please select Fall 2012
- Recommendation, skip this section, the observation verifications replace letters on PTCAS.
- Personal Statement, skip this section, included in PTCAS.

### Submission

Arrange for your IU D.P.T. materials to be sent to the address below no later than October 3, 2011.

[IU School of Health and Rehabilitation Sciences](#)

ATTN: Dawn Lipker 1140 West Michigan Street, CF 120  
Indianapolis, IN 46202

\*If you have any difficulty completing the IU Graduate Application, please contact:

Dawn Lipker, Director of Student Enrollment Services  
(317) 274-7238, or [dlipker@iupui.edu](mailto:dlipker@iupui.edu)

Admission to the professional program is competitive and completion of the application process, as well as invitation to the admission interview, does not guarantee admission

to the program. Students accepted into the D.P.T. must complete all specific admission requirements.

## Occupational Therapy

Admission to the professional Master of Science in Occupational Therapy program is competitive. Applications are accepted beginning August 1st, and are due no later than January 20th of each year for enrollment the following summer.

Students accepted into the M.S.O.T. program must complete the admission criteria listed below.

### Prerequisites

- Abnormal Psychology/Psychopathology
- Human Growth and Development/Lifespan Development
- Medical Terminology
- Statistics\*
- Human Anatomy (with a lab)\*
- Human Physiology (with a lab)\*

\*These courses need to be completed within the past seven years prior to application.

Students with concerns about whether the class they are taking will meet the prerequisite requirement should provide a course description to the director of student enrollment services, who will discuss with the admissions coordinator for the Department of Occupational Therapy.

Dawn Lipker, Director of Student Enrollment Services

[dlipker@iupui.edu](mailto:dlipker@iupui.edu)

### Application Information

By application deadline Students must meet the following criteria:

- A baccalaureate degree from a regionally accredited institution prior to matriculation into the program
- Minimum cumulative grade point average (GPA) of 3.0 on a 4.0 scale
- Completed five of the six prerequisites (listed below) by the application deadline
- Minimum prerequisite grade point average (GPA) of 3.0 on a 4.0 scale with no lower than a "C" in any one prerequisite
- Completed a minimum of 12 hours of observation and/or volunteer work in at least three different Occupational Therapy practice settings (such as acute care hospital, outpatient clinic, community mental health center, school system, and so forth) with either an Occupational Therapist or an Occupational Therapy assistant. A form validating this observation is required and is available at the link below
- For applicants for whom English is not the native language, a minimum TOEFEL score of 560P
- A completed application

### Application Materials

Applications are accepted August 1 - January 20 annually. All application materials must be postmarked by the application deadline. You must apply using the online application forms; paper applications are not available. If you have any difficulty completing the online application, please contact:

Dawn Lipker, Director of Student Enrollment Services  
[dlipker@iupui.edu](mailto:dlipker@iupui.edu)

1. IUPUI [Online Graduate Application for Admission\\*](#) and \$60 non-refundable application fee.
2. Official transcripts from all institutions attended.
3. [Required Observational Hours Form](#)
4. [Prerequisite Course Completion Plan Form](#)

\*Please use the information below for successful submission of the IUPUI Online Graduate Application for Admission.

- Under Intended Program and Plan select the following:
  - What type of degree do you intend to pursue Master's
  - Academic Program: Health and Rehabilitation Graduate Professional
  - Academic Plan: Occupational Therapy M.S.
  - Are you applying to a dual degree program: No
  - Term: Summer 2012

### Recommendations

Skip this section, the observation forms replace letters.

### Personal Statement

Skip this section, not required.

### Criteria for Selection

Overall cumulative grade point average (GPA) of 3.0 or above makes up 40% of the admissions formula for each candidate. Prerequisite coursework GPA makes up 60% of the formula. The total scores are then ranked.

### Technical Standards

Students are required to meet technical standards established by the School of Health & Rehabilitation Sciences. These standards are available upon request.

### Expenses

Credit hour rate for 2009-10 is \$417.48 for in-state residents and \$834.96 for out-of-state residents. A non-refundable deposit of \$200 is required at the time the student accepts admission into the program. This deposit will be credited to the student's first semester tuition if the student matriculates into the program.

## Nutrition and Dietetics

The Master of Science in Nutrition and Dietetics is designed for the health care professional interested in strengthening his/her knowledge and practice of nutrition across the continuum of patient care.

### Admission Requirements

- Baccalaureate degree from an accredited college or university.
- Undergraduate GPA of 3.0 (4 point scale).
- Be a registered dietitian through the Commission on Dietetic Registration.
- Graduate Record Examination (GRE) scores, IUPUI school code 1325. Math 500, 500 Verbal, 4.0 Writing Analytical.
- Three (3) letters of recommendation describing the applicants potential as a graduate student and professional practitioner.

### Application Deadline

Students are admitted to either the Spring (January) semester, or the Fall (August) semester. The deadline for admission is 10 days prior to the start of the term.

### How to Apply

You must apply using the [online application form](#) (paper applications are not available) and submit a \$60 non-refundable application fee. If you have any difficulty completing the online application, please contact Dawn Lipker at (317) 278-7238.

Please use the information below for successful application submission.

- Under Intended Program and Plans select the following:
  - What type of degree do you intend to pursue: Master's
  - Academic Program: Graduate School Health and Rehabilitation
  - Academic Plan: Nutrition and Dietetics M.S.
  - Are you applying to a dual degree program: No

### Recommendations

Enter a minimum of three (3) recommenders with a valid email and they will be notified to submit a recommendation.

### International Applicants

International students should visit the [Office of International Affairs](#).

## Health Sciences

The Master of Science in Health Sciences is an interdisciplinary graduate degree designed for health and rehabilitation professionals and educators interested in pursuing advanced education at the master's level. Graduates of the program will acquire advanced knowledge and understanding of current trends and issues, and the problem-solving skills to prepare them to assume leadership roles in practice and educational settings.

### Application Deadlines

- Fall (August) semester: January 1 - May 15
- Spring (January) semester: August 1 - December 1
- **SUMMER ADMISSION IS NOT OFFERED**

All application materials must be submitted directly to the School of Health and Rehabilitation Sciences no later than 10 days prior to the deadline stated above. All admission decisions will be finalized two weeks after the deadline.

### Admission Requirements

All applicants must be accepted into IUPUI, the School of Health and Rehabilitation Services, and the M.S. in Health Science program. Below the minimum requirements for admission are listed.

1. A baccalaureate degree from an accredited institution (applicant must submit an official copy of all undergraduate transcripts)
2. Cumulative undergraduate grade point average of 3.0 on a 4.0 scale

3. At least one undergraduate statistics or research methods course completed with a grade of "B" or better
4. Three letters of recommendation from those familiar with the applicant's academic and professional performance
5. 300 to 500 word personal statement of academic and professional goals, must include experience as a health and rehabilitation professional or educator
6. If applicable, a TOEFL score of at least 550P or 213C or 79-80i
7. Admission interview

**NOTE:** No student will be permitted to work toward a degree without first being admitted to the Master of Science program.

### Application Directions

Please fill out the [Graduate Online Application](#) and submit a \$60 non-refundable application fee. Also use the information below to complete the application.

- Under Intended Program and Plan select the following:
  - What type of degree do you intend to pursue: Master's
  - Academic Program: Graduate School Health and Rehabilitation
  - Academic Plan: Health Sciences M.S.
  - Are you applying to a dual degree program: No

### Recommendations

Enter minimum of 3 recommenders with a valid email and they will be notified to submit a recommendation.

### Submission

An applicant must submit complete application materials to the Office of Academic and Student Affairs, at the address below. Transcripts from all universities attended must be included. However, if the applicant is a graduate of Indiana University, the school will obtain those transcripts directly. Non-Indiana University graduates must submit at least one official transcript from each university attended. A non-refundable application fee is required from all applicants who have never attended Indiana University.

*IU School of Health and Rehabilitation Sciences*

*Dawn Lipker, Enrollment Coordinator*

*Coleman Hall 120*

*1140 West Michigan Street  
Indianapolis, IN 46202-5119*

### Coursework Applied Toward Degree Requirements

A maximum of 6 graduate credit hours earned at Indiana University before admission may be applied toward a degree. Upon the recommendation of the Health Sciences program director and with the approval of the School of Health and Rehabilitation Sciences Academic Studies and Research Development Committee, up to 8 credit hours of graduate work at other institutions may be transferred in partial fulfillment of degree requirements. No course may be transferred from another institution unless the course was completed with a grade of "B" or higher within five

years before matriculation in the Master of Science degree program.

## Health and Rehabilitation Sciences

Students accepted into Health Sciences Department programs must complete the University, School, and Department admission requirements. The following admission requirements apply to the Doctor of Philosophy in Health and Rehabilitation Sciences.

### General Requirements

- Completion of a post baccalaureate degree in health and rehabilitation sciences or in a related health care discipline, or completion of a baccalaureate degree with professional experience.
- IUPUI [Graduate Online Application](#), and a \$60 non-refundable application fee.
- Resume or curriculum vitae
- A 300-500 word personal statement of learning objectives, research interest, and leadership potential.
- Three letters of recommendation.
- Cumulative GPA of 3.0 or higher on a 4.0 scale in any prior degree completion program.
- Competitive scores (minimum of 500 recommended) on the verbal and quantitative sections and a score of 3.5 or better on the analytical writing section of the GRE, completed within 5 years before matriculation into the Ph.D. program. Successful completion of a post graduate degree will waive the matriculation time period.
- A TOEFL score of 550P, or 213C (or equivalent on the iBT version) is required for applicants who did not graduate from an accredited United States college or university, or whose native language is not English.
- The ASRD Committee will be the body that will review applications and make acceptances.
- Admission interview

**NOTE:** Students must identify a research mentor within the first year of the program.

### Application Directions

Use the information presented below to complete the IUPUI Graduate Online Application.

- Under Intended Program and Plan select the following:
  - What type of degree do you intend to pursue: Doctoral/Ph.D.
  - Academic Program: Graduate School Health and Rehabilitation
  - Academic Plan: Health and Rehab Science Ph.D.
  - Are you applying to a dual degree program: No

### Recommendations

Enter minimum of 3 recommenders with a valid email and they will be notified to submit a recommendation.

### Personal Statement

Required, upload into the application.

### Submission

Submit all application materials to the Director of Student Enrollment Services:

Dawn Lipker  
Director of Student Enrollment Services

[dlipker@iupui.edu](mailto:dlipker@iupui.edu)  
(317) 274-7238

### Priority Admission

Priority will be given to students who indicate that they plan to attend full time, and to those who have secured sources of funding to support full time status.

### Transfer Credit

A maximum of 30 semester credits may be transferred from the student's post baccalaureate course work, as approved by the ASRD Committee and the University Graduate School. No course may be transferred from another institution unless the course was completed with a grade of "B" or higher.

### Exceptions

Any exceptions to the admissions policies must be requested in writing to the ASRD Committee. The request must be accompanied by a letter recommending either support or denial from the director of the Ph.D. program.

## Physician Assistant Studies

The Master of Physician Assistant Studies program is intended for individuals with prior experience (paid or volunteer) in a health related field, and with a commitment to provide health care in underserved and rural communities. The program consists of seven (7) consecutive semesters over 27 months and includes 75 credit hours of didactic courses and 36 credit hours of clinical rotations for a total of 111 credits. Proposed start term is May 2012.

### Prerequisite Courses

All courses must be completed with a "C" or higher from a regionally accredited institution. All science courses must be at a level for science majors and include a lab. The courses below do NOT include specific course prerequisites that may be required by your institution or program. Please contact your specific institution for course prerequisite requirements.

- Biological Sciences with lab, must include general biology (2 semesters), human anatomy (1 semester), human physiology (1 semester), and microbiology (1 semester)
- Chemistry with lab, must include general chemistry (2 semesters), and organic chemistry (1 semester)
- Statistics or biostatistics (3 credit hours) 200 level or higher
- Psychology or sociology (3 credit hours)
- Medical terminology (minimum 2 credit hours)
- Nutrition/Health Promotion/Wellness or equivalent (3 credit hours)\*
- English to include composition, and communication or speech (6 credit hours)

\*Nutrition course preferred. There are a number of courses that may meet this requirement. To confirm, please contact Dawn Lipker, [dlipker@iupui.edu](mailto:dlipker@iupui.edu).

**NOTE:** Additional recommended courses are Organic Chemistry II and Biochemistry.

### Admission Requirements

- Bachelor's degree, in any major, from a regionally accredited institution completed prior to the date of enrollment
- Completion of all or no more than one (1) prerequisite course in progress by the application deadline, must be completed with a "C" or higher
- Minimum 3.0 cumulative grade point average (GPA) on a 4.0 scale
- Three (3) letters of reference, one of which must come from a Health Care Professional
- 500 word personal statement
- GRE or MCAT scores taken within the past 5 years (test early and submit scores to school code 1325)
- Application for admission and non-refundable application fee using the CASPA system
- IUPUI online graduate application for admission and \$60 non-refundable application fee
- On campus interview
- 500 hours (paid or volunteer) of direct patient experience in at least two different health care settings within the past 5 years
- International applicants must meet additional requirements as determined by the IUPUI Office of International Affairs. For additional information, please see: <http://iapply.iupui.edu/>.

### Graduate Record Examination Revisions

The GRE is being revised beginning August 1, 2011. The change will be beneficial to students and admission committees since the scores will differ by 1 point rather than the old scale of 10 points allowing for student comparisons to be based upon smaller score increments. The revision will also include improvements in the test questions to more closely align with the skill sets needed for graduate/professional study. For additional information, please see:

[http://www.ets.org/gre/revised\\_general/know](http://www.ets.org/gre/revised_general/know)

We will accept current GRE scores or the revised scores, as long as they meet the 5 year rule, the choice is yours. The ETS Company will provide institutions with equivalency charts so scores can be compared for equal consideration. We suggest you view the link above to determine if you prefer to take the current test or the revised test.

For additional information see: [http://shrs.iupui.edu/health\\_sciences/degrees/mpas-faq.php](http://shrs.iupui.edu/health_sciences/degrees/mpas-faq.php).

## Master's Programs

Master of Science in Health Sciences (program currently under revision)

Master of Science in Nutrition and Dietetics

Master of Science in Occupational Therapy

### M.S. in Health Sciences

#### Location of the Program

This program is housed on the Indiana University Purdue University at Indianapolis. However, a majority of the courses are offered online.

### Description of purpose of the program

The Master of Science in Health Sciences is an interdisciplinary graduate degree offered through the Indiana University Graduate School. It is designed for health and rehabilitation professionals and educators interested in pursuing advanced education at the master's level. Graduates of the program will acquire advanced knowledge and understanding of current trends and issues, and the problem-solving skills to prepare them to assume leadership roles in practice and educational settings.

The program consists of a minimum of 36 credit hours of course work, including a required 6 hour project or thesis. The program curriculum consists of three components: (1) health science core courses to include preparation for project/thesis (21 credit hours); elective courses (9); and project/thesis (6). Most of the courses taken to satisfy the requirements of the master's degree can be used to fulfill course requirements for the Ph.D. in Health and Rehabilitation Sciences.

### Admission Requirements

Due to the number of courses offered online only, students on a F1 or J1 student visa are not eligible for admission to this program.

Students accepted into the program must complete university, school, and program admission requirements. The minimum admission requirements are as follows:

1. A baccalaureate degree from an accredited institution (applicant must submit an official copy of all undergraduate transcripts).
2. Minimum cumulative undergraduate grade point average of 3.0 on a 4.0 scale.
3. At least one undergraduate statistics or research methods course completed with a grade of "B" or better.
4. Three letters of recommendation from those familiar with the applicant's academic and professional performance
5. 300 to 500 word personal statement of academic and professional goals; must include experience as a health and rehabilitation professional or educator.
6. If applicable, a TOEFL score of at least 550P or 213C or 79-80i.
7. Admission interview

### Prior Course Work Applied Toward Degree Requirements

A maximum of 6 graduate credit hours earned at Indiana University before admission may be applied toward a degree. Upon the recommendation of the Health Sciences program director and with the approval of the School of Health and Rehabilitation Sciences Academic Studies and Research Development Committee, up to 8 credit hours of graduate work at other institutions may be transferred in partial fulfillment of degree requirements. No course may be transferred from another institution unless the course was completed with a grade of "B" or higher within five years before matriculation in the Master of Science degree program.

### Curriculum

A total of 36 credit hours is required to complete the degree, allocated as follows:

**Core/Required Courses (21 credit hours):**

SHRS W150	Trends and issues in Health Sciences (Mushi-Brunt) <i>online course</i>	3
SHRS W520	Evidence Based Critical Inquiry in the Health Sciences (Mac Kinnon) <i>online course</i>	3
SHRS W550	Health and Rehabilitation Systems Across the World (Agho) <i>online course</i>	3
SHRS W625	Diversity Issues in Health and Rehabilitation Services (Buckner-Brown) <i>online course</i>	3
SHRS W661	Theories of Health Promotion/ Disease Prevention (Mushi-Brunt)	3
SHRS W667	Ethical Issues in Rehabilitation Services (Agho) (or equivalent) <i>online course</i>	3
NURS R505	Research Methods (or equivalent)	3

**Electives (9 credit hours) to be determined in consultation with the program director**

Examples:

SHRS W540	Patient Centered Outcomes Research (Mac Kinnon) <i>online course</i>	3
SHRS W562	Psychological Aspects of Disabilities (Voci)	3
SHRS W594	Administration of Health Sciences Education (Agho)	3
SHRS W640	Medical Aspects of Disabilities (Gupta)	3
SHRS W650	Global Perspectives in Nutrition, Health, Diseases, Disability (Ernst)	3
SHRS W660	Rehabilitation Theories and Application (Crabtree)	3

SHRS W662	Rehab Services in Health Care Systems and Delivery (Weaver) <i>online course</i>	3
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**Project or Thesis (6 credit hours)**

SHRS W599	Thesis (Arranged)	6
<b>OR</b>		
SHRS W600	Project in Health Sciences	

**For further information, contact:**

Dawn Lipker, Director of Student Enrollment Services  
IUPUI School of Health and Rehabilitation Sciences  
Coleman Hall rm. 120  
1140 W Michigan Street  
Indianapolis, IN 46202  
Phone: (317) 274-7238  
E-mail: [dlipker@iupui.edu](mailto:dlipker@iupui.edu)

**M.S. in Nutrition and Dietetics****Location of the Program**

The program is located at the Indiana University-Purdue University at Indianapolis.

**Description and Purpose of the Program**

This graduate program, offered through the Indiana University Graduate School, is designed for registered dietitians. The objective of this program is to provide an opportunity for registered dietitians to deepen their knowledge base, improve critical thinking skills, and develop research skills in nutrition and dietetics.

The curriculum is designed for the dietitian with a special interest in nutritional requirements and provision of medical nutrition therapy in acute and chronic conditions such as diabetes, or in the care of special populations such as children and preterm infants. Program affiliations throughout central Indiana provide the opportunity for the student to work with patient populations in both outpatient and inpatient settings as well as with the general public.

**Course Requirements**

Students are required to take graduate-level courses in biochemistry, statistics or biostatistics, and physiology. Other courses and clinical study (open only to students who are registered dietitians) may be selected from the graduate-level offerings of the Nutrition and Dietetics Department and from other schools and departments on the Indiana University-Purdue University Indianapolis campus.

**Minimum Requirements for the Degree**

To earn the M.S. degree, a minimum of 36 credit hours at the graduate level are required. Candidates for this degree may petition to apply up to 8 credit hours of graduate work from other institutions or programs to this degree. There are both thesis and non-thesis options.

**Curriculum**

A total of 36 credit hours is required to complete the degree. Candidates for this degree may petition to apply up to eight credit hours of graduate work from other institutions or programs to this degree. The M.S. in Nutrition and Dietetics with the thesis option requires 30 credits hours of course work and six credits of research.

The M.S. in Nutrition and Dietetics without the theses requires 33 credit hours of course work and a three credit non-thesis problem. Students may choose between two areas of interest: either adult nutrition or pediatric nutrition.

The hours are allocated as follows:

**Nutrition and Dietetics Core (15-16 credits)  
Science Requirement (6 or 7 credits)**

BIOC B500	Biochemistry and	3 cr.
PHSL F503	Human Physiology	4 cr.
<b>OR</b>		
BIOL 556	Physiology I and	3 cr.
BIOL 557	Physiology II	3 cr.

**Statistics and Research Methods (6 credits)**

NURS R505	Measurement and Data Analysis	3 cr.
<b>OR</b>		
GRAD G651	Introduction to Biostatistics I	3 cr.
SHRS N563	Research Methods in Nutrition and Dietetics	3 cr.
<b>OR</b>		
SHRS W520	Evidence Based Critical Inquiry in the Health Sciences	3 cr.
<b>OR</b>		
GRAD G610	Topics in Translational and Implementation Research	3 cr.
SHRS N550	Human Nutritional Pathophysiology I	3 cr.

Choose one of the following areas of interest:

**Pediatrics Nutrition (15-18 credits)**

SHRS N570	Pediatric Nutrition	3 cr.
SHRS N572	Advanced Pediatric Nutrition	3 cr.
SHRS N576	Leadership Development in Pediatric Nutrition	3 cr.
	Electives	6-9 cr.

**Adult Nutrition (15-18 credits)**

SHRS N552	Human Nutritional Pathophysiology II	3 cr.
	Electives	12-15 cr.

**Non-Thesis Problem or Thesis (3-6 credits)**

SHRS N598	Research	3 cr.
<b>OR</b>		
SHRS N598	Research	6 cr.

**Admission**

The School of Health and Rehabilitation Sciences offers the M.S. in Nutrition and Dietetics through the Indiana University Graduate School. Students accepted into the program must meet all the requirements of both the University Graduate School and the School of Health and Rehabilitation Sciences.

The minimum admission requirements are:

- a bachelor's degree from an accredited institution
- proof of dietetic registration
- a cumulative undergraduate GPA of at least 3.0 on a 4.0 scale
- an appropriate level of achievement on the Graduate Record Examination (GRE)
- for international students, a suitable level of achievement on the Test of English as a Foreign Language (TOEFL)

Applicants must submit the following:

- official undergraduate transcripts
- a 300- to 500-word personal statement of academic and professional goals
- three letters of recommendation from those familiar with the applicant's academic and professional performance
- official scores of the GRE and the GRE Writing Assessment Exam, taken within the last five years
- proof of dietetic registration
- for international students, official TOEFL scores

**Grade Requirement**

A minimum of a 3.0 (B) grade point average in graduate work is required for continuance in graduate study. If the grade point average of a student falls below 3.0 or the student is not making sufficient progress toward completion of the degree, the Health and Rehabilitation Sciences Academic Studies and Research Development Committee will review the student's record and recommend to the dean that the student be placed on probation.

Unless the student achieves a 3.0 grade point average or begins making satisfactory progress in the next semester of enrollment, the student ordinarily will not be allowed to continue in the graduate program. For more information about academic regulations, contact the program director.

**For further information, contact:**

Dawn Lipker, Student Enrollment Services Coordinator  
IU School of Health and Rehabilitation Sciences  
IUPUI, Coleman Hall room 120  
1140 W. Michigan Street  
Indianapolis, IN 46202

(317) 274-7238  
[dlipker@iupui.edu](mailto:dlipker@iupui.edu)

**M.S. in Occupational Therapy**

- *Department Chair:* Associate Professor Thomas Fisher
- *Associate Professors:* Jeffrey Crabtree, Patricia Scott
- *Associate Professors:* Emeriti Cel Hamant, Nancy Lampert, T. Kay Carl, Carol Nathan, Erna Simek



- *Assistant Professors:* Arlene Schmid, Michael Justiss, CJ Liu
- *Clinical Assistant Professor of Occupational Therapy:* Fengyi Kuo
- *Lecturers:* Sharon Pape
- *Adjunct Faculty:* Sandra Morzorati, Elaine Ewing Fess, Maureen Hwys, Corie Chaplin, Robin Janson

**Educational Program**

This program is designed for students who do not have a degree or certificate in occupational therapy, but who have a baccalaureate degree in any major and are ready to apply for the entry-level graduate program in occupational therapy. The best undergraduate major is one in an area in which the student would enjoy working after receiving the undergraduate degree and should be selected based on the student's interests. The Master of Science in Occupational Therapy Program does not have a preference as to the major for the bachelor's degree as long as the prerequisite courses are completed.

**Length of the Program**

Two years, including summers.

**Structure of the Professional Program**

The academic and fieldwork level II portions of the curriculum are designed as full-time experiences.

**Design of the Professional Curriculum**

Students entering the Master of Science in Occupational Therapy Program will attend seven academic semesters. The curriculum content includes basic knowledge of occupational performance, disruption in occupational performance, technical skills, occupational therapy theory and practice, interpersonal communication, creative problem solving, research, understanding human occupation as it relates to health and wellness, and beginning professional practice (Fieldwork Level I). There are also Fieldwork II requirements and must be completed within 24 months of completing all academic course work. The curriculum content contains all of the subject matter required in an accredited occupational therapy program.

**Additional Cost**

In addition to regular university fees, students should expect to spend approximately \$1,400 on textbooks while in the program. Students should be prepared to assume living and travel expenses associated with fieldwork experiences. Fieldwork II assignments may be out of state. The department will work closely with students with regard to fieldwork placements.

**Opportunity for Students to Work**

The class schedule for full-time occupational therapy students is rigorous, although part-time employment during the evening or weekend hours is possible for some students.

**Program Facilities**

The Occupational Therapy Program offices are located on the third floor of Coleman Hall. Classrooms are located on the second and ground floors of Coleman Hall and in other buildings on the IUPUI campus.

**Location of Fieldwork Sites**

Fieldwork Level I occurs in a variety of settings, including hospitals, rehabilitation centers, nursing homes, school systems, community sites, and other health and wellness

facilities in Indiana. Fieldwork Level II is directed toward age ranges (children, young adults, or older adults) and may be located throughout the United States, depending on the student's individual assignment. Before starting fieldwork experience, students may be required to undergo drug testing, and/or a criminal background check.

**Accreditation**

The Occupational Therapy Program is fully accredited by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA), located at:

4720 Montgomery Lane  
P.O. Box 31220  
Bethesda, MD 20824-1220  
(301) 652-AOTA.

Applicants should be advised that as of January 1, 2007, occupational therapy educational programs will be accredited only at the post-baccalaureate degree level.

**Admission**

Students accepted into the program must complete the program admission requirements listed below before the first day of classes. Admission to the professional program is competitive; therefore, completion of the prerequisites does not guarantee admission to the program.

**Criteria Used for Selection of Class**

Cumulative GPA, prerequisite GPA, baccalaureate degree, and completion of required observation hours.

**Class Size**

Up to 36 students are admitted for each summer II semester.

**Application Deadline**

January 20 of the year before desired entry into the program.

**Prerequisite Course Requirements**

In order to be eligible to enter the program, the candidate must have a baccalaureate degree and must have completed all prerequisite courses while maintaining at least a 3.0 cumulative GPA.

**Prerequisite Courses: Minimum Credits**

*Behavioral Science Courses*

Abnormal Psychology/ Psychopathology	3 cr.
Human Growth (birth through death) and Development/Lifespan Development	3 cr.
Intro to Sociology or Anthropology	3 cr.
Intro to Psychology	3 cr.

*Biological Science Courses (with a lab)*

Human Anatomy (course description required)	5 cr.*
Human Physiology (course description required)	5 cr.*

### Other Courses

Medical Terminology	1-2 cr.
Statistics	3 cr. *

\*Human Anatomy, Human Physiology, and Statistics must be completed no more than seven years before date of entry.

### Minimum Cumulative GPA Requirement

A 3.0 on a 4.0 scale is required at the time of program application and must be maintained throughout the admissions process. For purposes of admission only, the grades for all courses from any university (whether transferred into the IU system or not) will be used in the calculation of the admission GPA.

The IU grading system will be used to figure admission GPA (e.g., A = 4.0, A = 3.7, etc.). Courses that are transferred into IU from another university without the grade listed on the IU transcript will have the grade from the originating university used to figure the GPA. Credits from a university using the quarter system will be converted to count as semester credits.

### Minimum Grade Requirement in a Stated Prerequisite Course

C (2.0 on a 4.0 scale)

### Minimum Grade Requirement in Repeated Courses

Applicants whose cumulative GPA is at least 2.0 on a 4.0 scale and who have repeated courses may petition to have their admission grade point average recalculated. The recalculation will use the most recent grade of the repeated course. This repeat option includes the use of the Indiana University FX option and is applied with the following restrictions: it can be used for a total of no more than 15 credits; the grade will be deleted not more than twice for a given course; and each attempt will count toward the 15 credit hours. If more than 15 credit hours are repeated, the applicant will determine which of the repeated courses are to be deleted. The petition must be attached to the application.

### Forgiveness Policy

Applicants whose GPA is at least 2.0 on a 4.0 scale may petition the program for up to one year (fall, spring, and summer) of academic bankruptcy based on compelling nonacademic reasons. The bankrupted semesters must be consecutive.

Academic bankruptcy is for admission purposes only and in no way affects the university's official GPA. Course work completed in a semester that has been bankrupted for admission purposes cannot be used for the fulfillment of program prerequisites or counted as credit hours toward the degree. The petition must be attached to the application.

### Clinical Observation Hours

All applicants must complete a minimum of 12 observation hours in clinical occupational therapy. Three different facilities (e.g., nursing home, hospital, school system, long-term care facility) need to be visited. Forms for clinical observation experiences can be found at the [Department of Occupational Therapy](#).

### International Student Applicants

There are special application procedures for those who are not citizens of the United States or who have had their previous schooling outside of the United States. International student applicants interested in the Master of Science in Occupational Therapy Program should obtain an international application packet from the IUPUI Office of International Affairs or from the Web at [www.international.iupui.edu](http://www.international.iupui.edu). Because of the extra procedures required to evaluate foreign credentials, there is an additional application fee for international students.

International student applicants (except those whose native language is English) are expected to submit results of the Test of English as a Foreign Language (TOEFL). The TOEFL is given worldwide throughout the year. IUPUI's school code for the TOEFL application is 1325. The Occupational Therapy Program faculty has established a minimum TOEFL test score of 550 (paper-based) or 200 (computer-based) for program eligibility.

All newly admitted international students are also required to take the IUPUI English (EAP) examination administered by the IUPUI EAP Program and Office of International Affairs before registration for classes. Students are required to take any EAP courses that are determined necessary as a result of this testing until they have fulfilled university and program requirements for English proficiency.

### Curriculum

#### Semester 1, Year 1, Summer Session

T560	Introduction to Occupational Science and Occupational Therapy	3 cr.
T571	Kinesiology for the Occupational Therapist	3 cr.
		6 cr.

#### Semester 2, Year 1, Fall Semester

T542	Occupations of Infants and Children	5 cr.
T557	Group Process in Occupational Therapy	2 cr.
T561	Theoretical Foundations of Occupational Therapy	3 cr.
T567	Research and Occupational Therapy	3 cr.
T575	Applied Neuroscience for the Occupational Therapist	4 cr.
		17 cr.

**Semester 3, Year 1, Spring Semester**

T525	Reflective Seminar I	1 cr.
T552	Occupations of Adolescents and Young Adults	5 cr.
T558	OT Management in Today's Health and Community Systems	3 cr.
T568	Evidence-Based Research in Occupational Therapy	3 cr.
T572	Pathophysiology: Impact of Conditions on Occupations	3 cr.
		15 cr.

**Semester 4, Year 2, Summer**

<b>Session I (May and June)</b>		
Fieldwork Level II A (8 weeks)		
T695 OR T696	Infants and Children OR Adolescents and Young Adults	5 cr. each
<b>Session II (July and August)</b>		
Fieldwork Level II B (8 weeks)		
T696 OR T695	Adolescents and Young Adults OR Infants and Children	5 cr. each
		5 cr.

**Semester 5, Year 2, Fall Semester**

T625	Reflective Seminar II	1 cr.
T662	Occupations of Adults and Older Adults	5 cr.
T657	Psychosocial Dimensions of Therapeutic Relationships and Occupations	2 cr.
T580	OT Elective <b>AND</b>	3 cr.
T667	Non-thesis OT Project	3 cr.
T701	<b>OR</b> OT Thesis	6 cr.
		16 cr.

**Semester 6, Year 2, Spring Semester**

T655	Technologies in OT (4 weeks-January)	3 cr.
T695	Fieldwork Level II A, B, <b>OR</b> C	5 cr. each
T696	Infants and Children <b>OR</b>	
T697	Adolescents and Young Adults <b>OR</b>	
	Adults and Older Adults  (8 weeks—February and March)	
T658	Professional Trends and Issues in OT	2 cr.
T580	OT Elective	3 cr. (optional)
T 668	Non-Thesis OT Project Completion <b>OR</b>	2 cr.
T 702	OT Thesis Completion	2 cr.
		12 cr.

**Semester 7, Year 2, Summer I Semester**

T695	Fieldwork Level II A, B, <b>OR</b> C	5 cr. each
T697	Adolescents and Young Adults  Adults and Older Adults	
		5 cr.

\*Expected graduation: June or August, depending on when the student completes the thesis, project, or fieldwork.

**Additional Information**

- For each additional semester necessary for completion of thesis or project, the student will enroll in 1 credit
- Non-thesis option requires the student to take one 3 credit elective and participate in a scholarly project
- Thesis option does not require an elective
- Fieldwork I and Orthotics are integrated into the occupations courses
- Areas of occupations (ADL, IADL, Education, Work, Leisure, Play, Sleep/Rest, and Social Participation) are addressed in all three occupations courses
- Students may elect to take a specialty Fieldwork Level II a fourth rotation (8 weeks)

Prior to entering the Occupational Therapy Program, admitted students are required to have:

- CPR certification (successful completion of a health care provider CPR course for infants, children, and adults that includes a written examination and skills assessment)
- Current immunizations
- TB test
- Criminal background check
- Personal health insurance

If a documented physical problem makes a person incapable of performing CPR, the person must be able to pass the required written examinations.

### **Fellowships**

In addition to financial assistance obtained through the IUPUI Office of Student Financial Aid, fellowship opportunities are available through the Department of Occupational Therapy. Following admission into the Master of Science in Occupational Therapy Program, students may seek information from the chair of the Department Fellowship/Scholarship Committee regarding fellowship opportunities specific to occupational therapy.

### **For further information, contact:**

Professor Thomas Fisher, Chair  
IUPUI Department of Occupational Therapy  
Coleman Hall 311  
1140 W. Michigan Street  
Indianapolis, IN 46202-5119

Phone: (317) 274-8006

### **Master of Physician Assistant Studies**

This graduate program, offered through the University Graduate School, is currently seeking accreditation. For further information, contact:

Professor Joyce Mac Kinnon, Ed.D.  
(317) 274-1029  
[jmackinn@iupui.edu](mailto:jmackinn@iupui.edu)

### **Doctor of Physical Therapy**

- *Department Co-Chairs:* Joyce Mac Kinnon, Peter Altenburger
- *Professor Emerita:* Ruth Ladue
- *Professor:* Joyce MacKinnon, Lisa Riolo
- *Associate Professor:* Tracy Dierks, Rebecca Porter, Stuart Warden
- *Associate Clinical Professor of Physical Therapy:* Mary T. Loghmani
- *Assistant Professors:* Tracy Dierks, Robyn Fuchs, Stuart Warden, Peter Altenburger
- *Assistant Clinical Professors of Physical Therapy:* Amy Bayliss, Valerie Strunk
- *Director of Clinical Education:* Valerie Strunk

### **Educational Program**

#### **Length of the Program**

The course of study is 35 months (103 graduate credit hours) of graduate professional course work.

#### **Structure of the Program**

The program is presented in a full-time, day format only.

#### **Design of the Professional Curriculum**

The physical therapy curriculum is organized so that the lecture and laboratory course work is integrated with

patient care experiences. Full-time clinical education experiences of varying length occur throughout the course of study. The Physical Therapy Program course of study develops an understanding of normal and abnormal physical structure and function. The curriculum focuses on the management of patient problems rather than procedures. The graduate of the Physical Therapy Program demonstrates competencies in evidence-based physical therapy practice parameters and the basic skills of critical inquiry, administration, and patient education. Additionally, the graduate shows the ability and interest to continue professional development.

### **Opportunity for Students to Work**

Because of the intense nature of the program, students are not encouraged to seek outside employment during their enrollment.

### **Additional Cost**

In addition to Physical Therapy Program tuition and university fees, students should expect to pay program-related expenses. Contact the program office in Coleman Hall for a current cost sheet.

### **Facilities**

Physical Therapy Program offices are located in Coleman Hall. Lecture and laboratory classes are located in Coleman Hall, Long Hall, and other locations on the IUPUI campus.

### **Accreditation**

Indiana University has received continuing accreditation for the postbaccalaureate professional education program from the Commission on Accreditation in Physical Therapy Education (CAPTE).

### **Admission**

Students accepted into the program must complete the school's admission requirements and the following Physical Therapy Program-specific admission requirements before the first day of classes. Admission to the professional program is competitive and selective; therefore, completion of the prerequisites does not guarantee admission to the program.

### **Criteria Used for Selection of Class**

Admission into the Indiana University Doctor of Physical Therapy Program is based on the applicant's overall GPA, the applicant's GPA in mathematics and science prerequisite courses, the applicant's GRE scores, the applicant's suitability for the physical therapy profession as reported by volunteer experience supervisor evaluation of generic abilities, and a statement of personal values and purpose for attending Indiana University's Doctor of Physical Therapy Program.

### **Class Size**

38 students each fall semester.

### **Specific Requirements**

The following admission policies apply to the Indiana University Doctor of Physical Therapy Program.

### **Total Number of Prerequisite Credit Hours**

Applicants may have no more than two Doctor of Physical Therapy Program prerequisite courses unfinished at the time of program application (see below). No waivers for

degree completion or course prerequisites will be granted by the Physical Therapy Program.

**Minimum Cumulative GPA**

3.2 on a 4.0 scale. The minimum cumulative GPA must be met at the time of application and maintained until admission.

**Minimum Specific GPA**

3.2 on a 4.0 scale in all credit hours attempted in prerequisite courses. The minimum GPA must be met at the time of application and maintained until admission.

**Minimum Grade Requirement in a Stated Prerequisite Course**

C (2.0 on a 4.0 scale).

**Technical Standards**

Students are required to meet technical standards established by the School of Health & Rehabilitation Sciences. These standards are available upon request.

**Medical Requirements**

Basic immunizations as determined by Student Health Services must be completed by the first day of classes. Students must demonstrate proof of health insurance before entry into the program and must maintain health insurance throughout their enrollment.

**Volunteer Experience**

In addition to prerequisite course work, students must complete observational, volunteer, or other work experiences in both hospital inpatient and outpatient physical therapy settings (minimum of 20 hours in each setting for a combined total of 40) in order to appreciate the differences in physical therapists' responsibilities in each setting. Each experience must be of a sufficient length of time to enable the supervising physical therapist to adequately complete the IU D.P.T Program's Generic Abilities Assessment form included as part of the application portfolio.

**Additional Requirements**

Accepted applicants, conditionally accepted applicants, and applicants placed on the alternate list must complete all requirements for their baccalaureate degree before enrolling in the Doctor of Physical Therapy Program and maintain the following:

- a 3.0 grade point average in each semester following notification of their status
- a minimum cumulative GPA of 3.2 on a 4.0 scale in all attempted credit hours
- a minimum GPA of 3.2 on a 4.0 scale in all credit hours attempted in prerequisite courses

**International Student Applicants**

There are special application procedures for those who are not citizens of the United States or who have had previous schooling outside of the United States. International student applicants interested in the Doctor of Physical Therapy Program should obtain an international application packet from the IUPUI campus Office of International Affairs or from the Web at [www.international.iupui.edu](http://www.international.iupui.edu). Because of the extra procedures required to evaluate foreign credentials, there is an additional application fee for international students.

International student applicants (except those whose native language is English) are expected to submit results of the Test of English as a Foreign Language (TOEFL). The TOEFL is given worldwide throughout the year. IUPUI's school code number for the TOEFL application is 1325. The Physical Therapy Program faculty has established a minimum TOEFL test score of 628P or 327C or 113I is required. This policy is waived if the applicant has received an undergraduate degree from an accredited school in the United States by the time of entrance into the program. All newly admitted international students are also required to take the IUPUI English (ESL) examination administered by the IUPUI ESL Program and Office of International Affairs before registration for classes. Students are required to take any ESL courses that are determined necessary as a result of this testing until they have fulfilled university and program requirements for English proficiency.

**Curriculum**

**Prerequisites**

Before entering the D.P.T. program, students must have completed requirements for their baccalaureate degree, in any major, and the following undergraduate prerequisite courses. Students should consult with their academic advisors for appropriate courses and semester sequence in order to complete prerequisites. Listed below are prerequisite minimums.

Introductory Statistics	1 semester
Human Anatomy	1 semester with lab
Human Physiology	1 semester with lab
Chemistry	2 semesters with labs
Physics	2 semesters with labs
Introductory Psychology	1 semester
Human Lifespan Development	1 semester
(Note: Level of the anatomy, physiology, chemistry, and physics courses must be appropriate for science majors.)	

Students must demonstrate proficiency in medical terminology before entering the professional program. Proficiency can be demonstrated through formal course work, online instruction with certificate of completion, or self study with departmental examination. Students must also be competent writers and demonstrate computer literacy, including knowledge of e-mail, the Internet, database searches, and spreadsheet and word processing capabilities.

**Semester 1, Year 1, Fall Semester**

P510	Clinical Integration	1 cr.
P511	Framework for Clinical Decision Making & Professionalism	2 cr.
P513	Functional Anatomy & Clinical Biomechanics	4 cr.
P515	Introduction to Physical Therapy	3 cr.

D850	Examination & Interventions I	
	Gross Anatomy	8 cr.
	Total:	<u>18 cr.</u>

### Semester 2, Year 1, Spring Semester

P520	Clinical Integration II	1 cr.
P526	Introduction to Physical Therapy Examination & Interventions II	5 cr.
P531	Clinical Pathophysiology I	4 cr.
P534	Introduction to Motor Sciences	2 cr.
P570	Pharmacology for Physical Therapists	3 cr.
P646	Therapeutic Interventions	4 cr.
	Total:	<u>19 cr.</u>

### Semester 3, Year 1, Summer Session 1 (6 weeks)

P599	Clinical Education I	3 cr.
	Total:	<u>3 cr.</u>

### Semester 4, Year 1, Summer Session 2 (4 weeks)

P514	Evidence-Based Critical Inquiry I	2 cr.
	Total:	<u>2 cr.</u>

### Semester 5, Year 2, Fall Semester

P533	Lifespan Motor Development & Motor Control	2 cr.
P535	Clinical Pathophysiology II	4 cr.
P643	Psychosocial Dimensions of Physical Therapy Practice	2 cr.
P645	Evidence Based Critical Inquiry II	2 cr.
D852	Neuroscience and Clinical Neurology	5 cr.
	Total:	<u>15 cr.</u>

### Semester 6, Year 2, Spring Semester

P524	Cardiopulmonary Practice Patterns	3 cr.
P541	Musculoskeletal Practice Patterns I	4 cr.
P641	Neurorehabilitation I	4 cr.

P650	Integumentary Practice Patterns	2 cr.
P680	Health Promotion and Community Outreach	2 cr.
	Total:	<u>15 cr.</u>

### Semester 7, Year 2, Summer Session 2 (6 weeks)

P532	Legal & Ethical Issues in Physical Therapy	2 cr.
P695	Clinical Education II	3 cr.
	Total:	<u>5 cr.</u>

### Semester 8, Year 3, Fall Semester

P622	Musculoskeletal Practice Patterns II	4 cr.
P642	Neurorehabilitation II	4 cr.
P660	Selected Topics in Physical Therapy	3 cr.
P661	Prosthetic & Orthotic Interventions	2 cr.
P664	Administration & Management of Physical Therapy Services	3 cr.
	Total:	<u>16 cr.</u>

### Semester 9, Year 3, Spring Semester

P696	Clinical Education III (10 weeks)	5 cr.
P697	Clinical Education IV (8 weeks)	4 cr.
P675	Capstone Seminar	1 cr.
	Total:	<u>10 cr.</u>

### Total Credits: 103

#### Optional Course

##### Electives:

- P685 Topics in Sports Rehabilitation 1 cr.
- P685 Instrumented Assisted Soft Tissue Mobilization (GRASTON) 1 cr.
- P699 Clinical Specialty Experience 1 cr.

Students must successfully complete and maintain current health care professional level CPR certification before beginning clinical education experiences.

#### Fellowships

The Constance Brown Memorial Fellowship, established in memory of a deceased classmate, is awarded to an outstanding first-year physical therapy student, as are the Patricia Rae Evans and the Stephen O. Jones Fellowships. The Katherine Belzer Fellowships are awarded to outstanding first-year and second-year students. The Frances C. Ekstam Fellowship, in honor

of the Physical Therapy Program's first director, is awarded to an outstanding third-year physical therapy student. The Zachary H. Gregory Emerging Leadership Scholarship, established in memory of Zachary Gregory, DPT Class of 2010, is awarded to a third-year student who demonstrates emerging traits of both academic and professional leadership.

**Awards**

The program recommends to the university superior academic students for degrees awarded with distinction. The William D. Porter Award is presented to a D.P.T. graduate selected by faculty as having demonstrated excellence in both the study and clinical application of neurological rehabilitation techniques. The award is in recognition of Mr. William D. Porter, who contributed to the education of innumerable Indiana University physical therapy students through his textbook photographs and classroom audiovisual materials.

**Graduation Requirements**

Satisfactory completion of 103 graduate credit hours, including clinical education. All course work must be completed in compliance with the program and school's academic and professional policies.

**For further information, contact:**

Dr. Peter Altenburger, Co-Chair, Department of Physical Therapy  
 Coleman Hall 120  
 Indianapolis, IN 46202-5119  
 (317) 278-1875

**Doctoral Programs**

Doctor of Philosophy in Health and Rehabilitation Sciences

Doctor of Physical Therapy

**Ph.D. in Health and Rehabilitation Sciences Degree Objective**

To develop scholars who, through their leadership and original research, will contribute to the knowledge base of health and rehabilitation sciences. Graduates will be able to be employed in universities, health care facilities and industries that focus on teaching others and advancing knowledge in health and rehabilitation.

**Admissions Policy**

Requirements, in addition to those of the Graduate School, include:

- Completion of a post baccalaureate degree in health and rehabilitation sciences or in a related health care discipline, or completion of a baccalaureate degree with professional experience
- Resume or curriculum vitae
- A 300-500 word personal statement of learning objectives, research interest, and leadership potential
- Competitive scores (minimum of 500 recommended) on the verbal and quantitative sections, and a score of 3.5 or better on the analytical writing section of the GRE completed within 5 years before matriculation into the Ph.D. program. Successful completion of a post graduate degree will waive the matriculation time period

- Interview

A maximum of 30 semester credits may be transferred from the student's post baccalaureate course work as approved by the student's Advisory Committee and the University Graduate School. No course may be transferred from another institution unless the course was completed with a grade of "B" or higher.

Any exceptions to the admissions policies must be requested in writing to the Ph.D. Admissions Committee.

**Curriculum Requirements**

The minimum requirements for the Ph.D. are 90 credit hours of advanced study, of which 30 semester credits may be transferred from the student's post-baccalaureate degree of study, as approved by the student's Advisory Committee and the University Graduate School.

The credits for the Ph.D. are distributed in the following categories:

**Health and Rehabilitation Sciences Core Curriculum (12 credits in required courses)**

W660	Rehabilitation Theories and Applications	3 cr.
W661	Theories of Health Promotion and Disease Prevention	3 cr.
W662	Rehabilitation Services in Healthcare Systems and Delivery	3 cr.
W672	Teaching Practicum within area of specialization	3 cr.

**Health and Rehabilitation Sciences Concentration (30 credits)**

Students will select one of the three areas of concentration identified by the Institute of Medicine.

Students must declare an area of concentration and identify appropriate coursework within the SHRS and across campus in consultation with their Advisory Committee. Areas of concentration include:

- Pathophysiology and Impairment Research
- Functional Limitations/Functional Participation Research
- Health Services Research

**Research Core (42 credits)**

GRAD-G505	The Responsible Code of Research	1 cr.
GRAD-N802	Techniques of Effective Grant Writing	3 cr.
NURS-W540	Writing for Publication	3 cr.

SHRS-W670	Research Practicum within concentration	6 cr.
	Statistics and Research Design courses (courses must be approved by the student's Advisory Committee as part of the student's plan of study)	9 cr.
	Dissertation	20 cr.

### Electives (6 credits)

#### Minor

Because of the interdisciplinary nature of the Ph.D. curriculum, each student will complete 6-12 credits in an external area, and thus satisfy the minor requirement for the Ph.D. Specialized minors may be constructed on a case-by-case basis, if needed for a particular student's program.

#### Comprehensive Examination

Near, and usually in, the last semester of course work, students will be required to take a comprehensive written qualification examination in health and rehabilitation sciences, prepared by the student's Advisory Committee. Only students who pass the exam may continue in the program. Students may be able to retake the examination one time if they fail to pass the first time. The retake must occur within six months of the original examination.

## Degree Programs

#### Doctoral Programs

- Doctor of Philosophy in Health and Rehabilitation Sciences
- Doctor of Physical Therapy

#### Master's Programs

- Master of Physician Assistant Studies (currently seeking accreditation)
- Master of Science in Health Sciences
- Master of Science in Nutrition and Dietetics
- Master of Science in Occupational Therapy

#### Bachelor's Programs

- [Bachelor of Science in Health Sciences](#)

#### Other Programs

- Dietetic Internship
- e-Learning Graduate Certificate Program in Leadership in Clinical Pediatric Nutrition
- Leadership in MCH Nutrition (Pediatric Focus) Fellowship and Certificate Program

## Student Organizations & Services

#### School of Health and Rehabilitation Sciences Alumni Association

The School of Health and Rehabilitation Sciences Alumni Association is an officially recognized constituent member of the Indiana University Alumni Association. Active

membership is open to all graduates of School of Health and Rehabilitation Sciences programs.

#### For more information, contact:

[School of Health and Rehabilitation Sciences Alumni Association](#)

University Place Conference Center rm. 241  
850 W. Michigan Street, Indianapolis, IN 46202-6044

Phone: (317) 274-8828

## Departments

Department of Health Sciences

Department of Nutrition and Dietetics

Department of Occupational Therapy

Department of Physical Therapy

## Department of Health Sciences

We offer a range of degree programs from the baccalaureate through the doctorate.

Our bachelor's degree in Health Sciences program incorporates the courses already offered through our three undergraduate certificate programs:

- [Gerontology](#)
- [Global Health and Rehabilitation Studies](#)
- [Rehabilitation and Disabilities Studies](#)

#### For more information on the undergraduate programs please contact:

Dawn Lipker, Student Enrollment Services Coordinator

Phone: (317) 274-7238

Email: [dlipker@iupui.edu](mailto:dlipker@iupui.edu)

## Department of Nutrition and Dietetics

The Department of Nutrition and Dietetics offers four post baccalaureate programs and three certificate programs—the Dietetic Internship Program, the e-Learning Graduate Certificate Program in Leadership in Clinical Pediatric Nutrition, and the Leadership in MCH Nutrition (Pediatric Focus) Fellowship Program, and the Master of Science in Nutrition and Dietetics.

The Dietetic Internship program may be completed as part of the Master of Science program. However, the Dietetic Internship program may not be completed concurrently with either of the pediatric nutrition certificate programs. The pediatric nutrition certificate programs may be completed as part of the Master of Science in Nutrition and Dietetics. In addition to graduate course work, the Department of Nutrition and Dietetics also offers one undergraduate nutrition class.

- *Chair:* Professor of Clinical Nutrition Jacquelynn O'Palka
- *Professors Emeriti:* Sue Brady, Bernice Hopp, Ada Marie Van Ness
- *Professors:* Karyl Rickard
- *Associate Professor:* Judith Ann Ernst
- *Associate Professor in Clinical Nutrition and Dietetics:* Sara Blackburn



- *Administrative Specialist/Coordinator of Maternal Child Health Nutrition Program*: Deborah Abel

## Department of Occupational Therapy

An educational program in occupational therapy is located on the Indiana University-Purdue University Indianapolis campus.

### Description of the Profession

Occupational therapy is the art and science of assisting people to do those activities/occupations that are important to them despite impairment, disability, or handicap. In this context, "occupation" refers to all of the everyday activities that occupy people's time and give meaning to their lives, primarily activities of daily living, education, work, play, and leisure (AOTA, 2002). Occupational therapists can work in mental health, pediatrics, geriatrics, physical disabilities, community wellness programs, work programs, or other specialty areas.

### Graduates of the Program

The postbaccalaureate professional degree program in occupational therapy is designed to prepare the graduate to meet professional standards for occupational therapy practice. Upon completion of the program, a graduate will be expected to demonstrate entry-level competence in basic knowledge and application of physical, behavioral, and basic sciences to the practice of occupational therapy.

Graduates of the program will be eligible to sit for the National Certification Examination for the Occupational Therapist administered by the National Board for Certification in Occupational Therapy (NBCOT). After successful passage of this exam, the individual will be an Occupational Therapist, Registered (O.T.R.).

### Credential Required to Practice

- O.T.R. (Initial Occupational Therapist Registered)

### Licensure Requirements to Practice

All states have laws requiring practice. Graduates must take the responsibility to ascertain and conform to the specific requirements of the state in which they plan to practice.

## Department of Physical Therapy

An educational program in physical therapy is located on the Indiana University-Purdue University Indianapolis campus.

### Description of the Profession

As members of the health care team, physical therapists help restore clients to normal function of the musculoskeletal, neuromuscular, integumentary, cardiovascular, and pulmonary systems through interventions including therapeutic exercise, physical agents, and assistive devices. The client's physical therapy needs are determined through evaluation and examination of muscle strength and tone, joint status, posture, sensory status, functional mobility, exercise tolerance as it relates to cardiorespiratory status, skin condition, pain, and other medical conditions that impair physical function.

Physical therapists are concerned with health promotion and disease prevention, as well as restoration of function following disease, injury, or loss of a body part. In addition

to patient care, the physical therapist participates in administrative, teaching, and research activities and provides consultative services. Physical therapists work in hospitals, outpatient facilities, industrial clinics, governmental and voluntary health agencies, educational settings, extended care facilities, and private practice settings.

### Graduates of the Program

The educational experiences of the Physical Therapy Program curriculum are designed to graduate a physical therapist with skills as a generalist. Graduates of the program are eligible to apply for licensure in the state in which they will practice.

### Credential Required to Practice

- P.T. (Physical Therapist)

### Licensure Requirements to Practice

All states require that an individual graduate from an accredited physical therapy program and successfully complete the National Physical Therapy Licensure Examination in order to practice as a physical therapist.

## Academic Policies & Procedures

### Withdrawal and Readmission

A student may be readmitted to the school after withdrawal as follows:

#### Temporary Withdrawal

Students in good standing who voluntarily and temporarily withdraw from a program assume temporary inactive status with the School of Health and Rehabilitation Sciences. At the time of departure, it is the student's responsibility to arrange, in writing, a continuation agreement with the individual program director. The student is allowed to reenroll as specified in the continuation agreement. The student must meet any specific academic/clinical requirements associated with reenrollment under the continuation agreement. Students failing to reenroll as specified in the continuation agreement are subject to dismissal from the School of Health and Rehabilitation Sciences.

#### Other Withdrawal

A student who withdraws without arranging in writing for a continuation agreement with the program director or fails to enroll in any semester will not be allowed further enrollments in the school and will be considered as not making satisfactory progress toward a degree. Such students who want to reenroll must file an application for admission and will be considered new applicants. New prerequisites and standards must be met. These students may be considered for advanced standing in the program provided the completed work meets the current standards of the program.

### Student Rights and Responsibilities

Application to and enrollment in the university constitute the student's commitment to honor and abide by the practices and policies stated in the university's official announcements, bulletins, handbooks, and other published materials and to behave in a manner that is mature and compatible with the university's function as

an institution of higher learning. The Indiana University Code of Student Rights, Responsibilities, and Conduct is available in electronic format. Students are expected to read this document and, by their enrollment, agree to its contents and to additional School of Health and Rehabilitation Sciences statements that appear below.

### Academic Advising

The School of Health and Rehabilitation Sciences student enrollment services director is available to assist students who are working on the prerequisites for a professional program. Once admitted to a professional program, students are advised by faculty within the program. It is the student's responsibility to seek counseling and guidance. The student is responsible for planning a program to meet degree requirements.

### Appeals

The School of Health and Rehabilitation Sciences abides by the appeals procedures discussed in the Indiana University Code of Student Rights, Responsibilities, and Conduct. Students may obtain a copy of the school's Appeals Policy and Procedure from any of the school's administrative offices.

### Attendance

Students are responsible for complying with all attendance requirements that may be established by the program faculty.

### Clinical Affiliations

Clinical affiliations (fieldwork experiences) are required in most School of Health and Rehabilitation Sciences programs. The program faculty are responsible for the selection, approval, and assignment of clinical experiences. Although individual student needs and desires will be recognized, final placement decisions are made by the program faculty. Students are responsible for transportation, fees, and selfsupport, and for following the rules and regulations of the center(s) to which they are assigned. In addition, student conduct must be consistent with the standards of the university and the profession.

### Degree Applications

Each fall students preparing to graduate during the following calendar year must file an Intent to Graduate form in the office of the program in which they are enrolled. Program faculty then certify the student's satisfactory completion of degree requirements. If changes in the anticipated date of degree completion occur, students must consult their faculty advisor and file an updated Intent to Graduate form.

### Financial Aid

A student may seek financial assistance through the IUPUI Financial Aid Office. In addition, assistance may be available through professional associations and other external groups and agencies.

### Costs

Students are responsible for the following costs:

- **Fees and Tuition:** Fees and tuition are established annually by the Trustees of Indiana University.
- **Books and Supplies:** Books and supplies are determined by the program.
- **Uniforms:** During clinical/fieldwork experiences, students must adhere to the dress code requirements of the program and training site. Students are responsible for providing their own uniforms.
- **Transportation:** Students are responsible for travel and lodging costs associated with clinical/fieldwork experiences.

*Contact the program of interest for a current cost sheet.*

### Liability Insurance

All students participating in required fieldwork experience are covered by the university's medical malpractice insurance. When requested, students may be required to purchase and show proof of general liability insurance before being certified to begin the clinical experience.

### Health

Before the beginning of the professional program, students are required to demonstrate proof of immunization for tetanus and diphtheria, rubella, rubeola (measles), mumps, varicella (chicken pox), and hepatitis. All students must have had a PPD tuberculin skin test within the last three months. Students may be required to complete a physical examination (see program-specific requirements). All students must show proof of health insurance before beginning the professional program.

### International Students

Foreign nationals enrolled in the school have the same rights and responsibilities as all other students. International students should consult the IUPUI Office of International Affairs.

### Orientation

School of Health and Rehabilitation Sciences programs may require students to attend orientation programs before the beginning of the professional courses. Students are responsible for attending these sessions and for the program-specific policies and standards distributed and discussed at the sessions.

### Professional Conduct

Students are responsible for exhibiting conduct appropriate to their professional training and education. Each program distributes standards and policies of appropriate professional conduct at the time of program orientation.

### Registration and Record Changes

It is the student's responsibility to enroll in each required academic session and satisfactorily complete all courses required for the degree. Faculty are available to provide academic advising.

Students are responsible for filing the necessary Student Record Change form with the School of Health and Rehabilitation Sciences Office of Academic and Student Affairs in Coleman Hall 120 as soon as possible following

a change of name or permanent address. Additional information regarding degree requirements and academic standards may be found elsewhere in this bulletin.

### Credentials/Licensure

Students completing any of the professional programs are qualified to sit for the appropriate licensure and/or credentialing examinations. Contact the program director for further information.

## Faculty

### Administrative Officers

- Augustine Agho, Ph.D., Dean; School of Health and Rehabilitation Sciences
- Joyce Mac Kinnon, Ed.D., Associate Dean of Student and Academic Affairs, School of Health and Rehabilitation Sciences
- Stuart Warden, Ph.D., Associate Dean for Research, School of Health and Rehabilitation Sciences

### Departmental Chairpersons

- Health Sciences, Joyce Mac Kinnon, Ed.D.
- Nutrition and Dietetics, Jacquelynn O'Palka, Ph.D.
- Occupational Therapy, Thomas Fisher, Ph.D.
- Physical Therapy, Peter Altenburger, Ph.D., Joyce Mac Kinnon, Ed.D.

### Faculty Emeriti

- Brady, (Mary) Sue, D.M.Sc. (Indiana University, 1987), R.D. (1968), Professor Emerita of Nutrition and Dietetics
- Carl, T. Kay, B.S. (Indiana University, 1967), O.T.R. (1967), Assistant Professor Emerita of Occupational Therapy
- Hamant, Celestine, M.S. (Butler University, 1971), O.T.R. (1964), Associate Professor Emerita of Occupational Therapy
- Hopp, Bernice, M.S. (Indiana University, 1962), Professor Emerita of Nutrition and Dietetics
- Irwin, Louise, B.S. (Purdue University, 1939), Professor Emerita of Nutrition and Dietetics
- Ladue, Ruth A., M.A. (Stanford University, 1967), P.T. (1945), Assistant Professor Emerita of Physical Therapy
- Lampert, Nancy, M.S. (Butler University, 1984), O.T.R. (1953), Associate Professor Emerita of Occupational Therapy
- Nathan, Carol D., Ed.D. (Indiana University, 1988), O.T.R. (1958), F.A.O.T.A. (1979), Associate Dean of the Faculties and Associate Professor Emerita of Occupational Therapy
- Simek, Erna, M.H.A. (Washington University, 1954), O.T.R. (1944), Associate Professor Emerita of Occupational Therapy
- Van Ness, Ada Marie, M.S. (Ohio State University, 1962), Assistant Professor Emerita of Nutrition and Dietetics

### Faculty

- Abel, Deborah, R.D., Administrative Specialist/Coordinator of the Maternal Child Health Nutrition Program, B.S. Indiana University (PA) 1978, M.S. Indiana University (PA) 1990, Pediatric Certificate Program, Indiana University at Indianapolis, 2003

- Agho, Augustine; Professor; B.A., Alaska Pacific University, 1983; M.H.A., Governors State University, 1985; Ph.D., University of Iowa, 1989.
- Altenburger, Peter, Ph.D., P.T., Clinical Assistant Professor of Physical Therapy (Tenure Track); B.S., University of California, Los Angeles, 1990; M.P.T., University of Miami, 1993; Ph.D., University of Nevada, Las Vegas, 2007
- Bayliss, Amy, D.P.T., P.T., Clinical Assistant Professor of Physical Therapy; B.S., Otago University (New Zealand), 1992; D.P.T., Rocky Mountain University of the Health Professions, 2003
- Blackburn, Sara A., R.D., Associate Professor of Clinical Nutrition and Dietetics; B.S., Purdue University, 1972; M.S., Purdue University, 1973; D.Sc., Boston University, 1980
- Crabtree, Jeffrey, O.T.R., F.A.O.T.A., Associate Professor of Occupational Therapy; B.S., University of Washington, 1975; M.S., San Francisco State University, 1992; O.T.D., Creighton University, 1999
- Dierks, Tracy, Ph.D., Associate Professor, Department of Physical Therapy; B.S., University of Nebraska, 1999; M.S., University of Nebraska, 2001; Ph.D., University of Delaware, 2005
- Ernst, Judith Ann, R.D., Associate Professor of Nutrition and Dietetics; B.S., University of Illinois, 1975; R.D. Dietetic Traineeship (Jefferson City, Missouri), 1977; M.S., Purdue University, 1977; D.M.Sc., Indiana University, 1988
- Fisher, Thomas F., O.T.R., F.A.O.T.A., Associate Professor and Chair, Department of Occupational Therapy; B.S., Indiana University, 1977; M.S., Purdue University, 1982; Ed.S., University of Kentucky, 1995; Ph.D., University of Kentucky, 2000
- Fuchs, Robyn, Ph.D., Assistant Professor, Department of Physical Therapy; B.S., Oregon State University, 1996; Ph.D., Oregon State University, 2002
- Janson, J. Robin, O.T.R., Lecturer, Department of Occupational Therapy; B.S., Indiana University, 1989; M.S., Indiana University, 2004
- Justiss, Michael D., O.T.R., Assistant Professor, Department of Occupational Therapy; B.S., University of Pittsburgh, 1993, 1995; M.O.T., Duquesne University, 2000; Ph.D., University of Florida, 2005
- Kelton, Gaylen, M.D., Clinical Professor, Program Director, Master of Physician Assistant Studies; M.D., University of Ottawa, 1980
- Loghmani, Mary T., Ph.D., P.T., Clinical Associate Professor of Physical Therapy; B.S., Indiana University, 1983; M.S., University of Indianapolis, 1983
- Liu, Chuang-ju, Ph.D., O.T.R., Assistant Professor, Department of Occupational Therapy; B.S. National Taiwan University, 1997; M.S., University of Kansas Medical Center, 2001; Ph.D., University of Kansas, 2006
- Mac Kinnon, Joyce L., Ed.D., P.T., Professor and Interim Dean; B.A., Ohio Wesleyan University, 1972; M.P.T., Baylor University, 1974; Ed.D., North Carolina State University, 1987
- Marable, Jennifer, M.S., PA-C, Clinical Assistant Professor, Master of Physician Assistant Studies;

- B.S., Colorado State University, 2003; M.S., University of Colorado Health Sciences, 2006
- Mushi-Brunt, Christina, Ph.D., Assistant Research Professor; B.A., Creighton University; M.P.H., St. Louis University, 2000; Ph.D., St. Louis University, 2007
  - O'Palka, Jacquelynn, R.D., Professor of Clinical Nutrition and Chair, Department of Nutrition and Dietetics; B.S., California State University at Northridge, 1968; M.S., Pennsylvania State University, 1970; Ph.D., Pennsylvania State University, 1973
  - Pape, Sharon, M.S., O.T.R., Academic Fieldwork Coordinator and Lecturer, Department of Occupational Therapy; B.S., University of Wisconsin Milwaukee, 1987; M.S., Indiana University, 2006
  - Porter, Rebecca, Ph.D., P.T., Associate Professor of Physical Therapy, Executive Director of Enrollment Services, and Associate Vice Chancellor for Student Services, B.S., Indiana University, 1972; Ph.D., Indiana University, 1991
  - Rickard, Karyl, R.D., F.A.D.A., Professor of Nutrition and Dietetics; B.S., University of Wyoming, 1966; Dietetic Internship, V.A. Medical Center (Houston), 1967; M.S., University of Wisconsin- Madison, 1970; Pediatric Nutrition Fellowship, University of Washington Child Development Center (Seattle), 1970; Ph.D., Purdue University, 1978
  - Schmid, Arlene, O.T.R., Assistant Professor, Department of Occupational Therapy; B.S., M.S., D'Youville College, 1997; Ph.D., University of Florida, 2005
  - Strunk, Valerie, M.S.P.T., Director of Clinical Education, Department of Physical Therapy; M.S., University of Indianapolis, 1998
  - Scott, Patricia, Ph.D., O.T.R., Assistant Professor, Department of Occupational Therapy; B.S., University of New Hampshire, 1975; M.P.H., University of Oklahoma, 1983; Ph.D., Florida International University, 1997
  - Visovatti - Weaver, Kathleen, R.N., M.P.A., J.D., Clinical Senior Lecturer and Program Director, Undergraduate Health Sciences Program; BSN, Indiana University, 1968; MPA, Indiana University, 1989; JD, Indiana University, 2001.
  - Warden, Stuart, Ph.D., P.T., F.A.C.S.M., Associate Professor, Department of Physical Therapy; B.S., University of Melbourne (Australia), 1997; Ph.D., University of Melbourne (Australia), 2001
  - Zedaker, Jim, M.P.A.S., PA-C, Clinical Assistant Professor, Master of Physician Assistant Studies; B.S., Park University, 2002; M.P.A.S., University of Nebraska, 2005

## Whatever

This is my first new page. Testing!

### Credential Abbreviations

C.S. - Certified Specialist in Pediatric Nutrition  
 F.A.D.A. - Fellow, American Dietetic Association  
 F.A.C.S.M. - Fellow, American College of Sports Medicine  
 F.A.O.T.A. - Fellow, American Occupational Therapy Association  
 N.C.S. - Neurologic Clinical Specialist  
 O.T.R. - Registered Occupational Therapist  
 PA-C - Certified Physician Assistant  
 P.T. - Physical Therapist  
 R.D. - Registered Dietitian