

# College of Health Sciences

Lori Gonzales, Ph.D., is Dean of the College of Health Sciences; Vincent Gallicchio, Ph.D., is Associate Dean for Research. Peter Berres is Assistant Dean for Student Affairs.

The College of Health Sciences is one of the six health professions colleges which, with the University Hospital, constitute the health science campus of the University of Kentucky.

The College of Health Sciences is composed of the Department of Clinical Sciences and the Department of Rehabilitation Sciences.

Today health science professionals are assuming greatly expanded and increasingly complex duties and responsibilities as essential members of the health care team. They work in a variety of delivery settings and have key responsibilities for the care and health of patients, clients, and communities. The UK College of Health Sciences, established in 1966, was among the first colleges to offer programs for students interested in these rapidly developing health professions. The college strives continually to revise its offerings in keeping with society's evolving expectations and health care needs.

## Undergraduate Programs in Health Sciences

The University of Kentucky grants the following degree in the College of Health Sciences:

- Bachelor of Health Sciences

*“As I entered the University of Kentucky I was not exactly sure what I wanted to major in. I knew that I would not be satisfied unless I found a profession where I could help people. I have always had a passion for working with children who have disabilities and this is what led me to the College of Health Sciences communication disorders program. I could not be happier with my decision. As a student of the College of Health Sciences I have gained more than I could have ever imagined. Not only have I gained the knowledge and experience that I will one day need in my professional life, I have also made great friendships and lasting memories.”*

– Brittany Kay Robertson  
Communication Disorders

Students pursuing the Bachelor of Health Sciences may select from these majors: clinical laboratory sciences, communication disorders and physical therapy.

## ADMISSIONS PROCEDURES

### Baccalaureate Programs

Baccalaureate programs in the College of Health Sciences are divided into preprofessional and professional programs. A **preprofessional program** is comprised of courses prerequisite to professional program content as well as University Studies requirements. Freshman and transfer students who have initially not completed prerequisites for entrance into a professional program complete only the first step of the application process – application to the University of Kentucky. Freshman applicants to the college will be admitted if they meet University entrance requirements.

A **professional program** is comprised of all courses and clinical experiences required for students who have applied for and have been accepted into professional programs. Consideration for admission to the college's professional programs requires completion of prerequisite course work and completion of the professional application procedure.

Therefore, the admissions procedure for all undergraduate programs within the College of Health Sciences is a **two-step process**. Applicants must **first** be accepted by the University of Kentucky and **second** must apply for admission to a professional program approximately two semesters prior to completing prerequisites.

This selection procedure is necessary because of the limited space in the professional years of the health sciences programs.

Requirements for the first several years (preprofessional program) may be completed at the University of Kentucky, a community college, or another fully accredited college or university.

**At the time of application** to the professional program, the student should have completed the **prerequisites required for application** to the program he or she plans to enter, and have plans to complete **all prerequisites before actual enrollment** in the professional program.

It is essential that complete, accurate information be furnished on the application. Individuals seeking entry into the professional programs or those admitted to the programs through falsified or misleading information may be dropped from consideration or dismissed from the programs.

Persons not enrolled at the University of Kentucky must complete applications to both the University of Kentucky and the **professional program**. Application materials are available from:

## APPLICATION DEADLINES FOR UNDERGRADUATE PROGRAMS IN HEALTH SCIENCES

**Professional Program Applicants** (Students who have completed prerequisites at UK, community colleges, or other accredited colleges or universities)

Students **must** request applications from the Office of Student Affairs in the College of Health Sciences. Applications for **fall admission** are available from September 1 to December 15; applications for **spring admission** are available from February 1 to April 30.

	<u>Fall</u>	<u>Spring</u>	<u>Summer</u>
<b>Clinical Laboratory Sciences</b> UK, Professional Program Applications, all supporting credentials			April 1
<b>Communication Disorders</b> UK, Professional Program Applications, all supporting credentials	Feb. 1		
<b>Physical Therapy</b> UK, Professional Program Applications, all supporting credentials		June 1	

Office of Student Affairs  
College of Health Sciences  
900 S. Limestone St.  
University of Kentucky  
Lexington, KY 40536-0200  
(859) 323-1100

[www2.mc.uky.edu/HealthSciences/  
studentaffairs/student\\_affairs.htm](http://www2.mc.uky.edu/HealthSciences/studentaffairs/student_affairs.htm)

Deadlines and specific application instructions are listed for each program in the descriptions which follow. Additional information for each program is available on their respective Web sites.

### Graduate Programs

Students who want to earn advanced degrees in health sciences fields must be admitted to the University of Kentucky Graduate School. For complete information, students should refer to *The Graduate School Bulletin* or contact:

Graduate School Admissions  
351 Patterson Office Tower  
University of Kentucky  
Lexington, KY 40506-0027  
(859) 257-4613  
fax: (859) 323-5986  
[www.rgs.uky.edu/gs/](http://www.rgs.uky.edu/gs/)

The College of Health Sciences offers graduate programs in the following areas: athletic training, clinical laboratory sciences, clinical nutrition, communication disorders, health physics, physical therapy, physician assistant studies, radiological medical physics, and rehabilitation sciences.

### PROBATION AND SUSPENSION

The probation and suspension rules for professional students in the College of Health Sciences appear under *Academic Requirements* in the front section of this Bulletin.

### NOTICE TO ALL APPLICANTS

Some courses will require a period of training off campus in community facilities outside of Lexington.

### ACADEMIC ADVISING

Academic advising is available from the College of Health Sciences. Students should report to the Office of Student Affairs to be assigned an advisor. Detailed information on each program is detailed on each program's Web site.

For academic advising, contact:

Deedie Goodwin Lutz  
Academic Advisor  
(859) 323-1100 ext. 8-0546  
[dglutz01@uky.edu](mailto:dglutz01@uky.edu)

## BACCALAUREATE PROGRAMS

### College Graduation Requirements

To graduate with a **Bachelor of Health Sciences** degree from the College of Health Sciences, a student must (1) satisfy University Studies requirements and (2) complete a minimum of 120 semester hours, including required courses in both the preprofessional and professional programs.

## DEPARTMENT OF CLINICAL SCIENCES

### B.H.S. IN CLINICAL LABORATORY SCIENCES

The mission of the Division of Clinical Laboratory Sciences is to help the College of Health Sciences achieve its mission through creative leadership and productivity in clinical laboratory science education, research, and service.

The undergraduate Clinical Laboratory Sciences (CLS) program at the University of Kentucky prepares Clinical Laboratory Scientists who perform laboratory tests that aid in the prevention, diagnosis and treatment of disease. CLS graduates receive training in four major disciplines of the clinical laboratory: immunohematology (blood-banking), clinical chemistry, hematology, and microbiology. Additional course work includes immunology, phlebotomy and laboratory management. CLS graduates are employed in a variety of health care settings including hospital and private laboratories, clinics, pharmaceutical companies, research institutions, the armed forces, public health centers, and veterinary clinics. In addition to performing clinical laboratory tests, CLS graduates also serve as consultants, managers, sales and technical representatives, and educators.

### Admission

Admission into the Clinical Laboratory Sciences professional program requires:

- minimum cumulative grade-point average of 2.75 for all courses taken at institutions of higher education;
- three professional letters of recommendation;
- personal interview scores based on two interviews with CLS faculty that focus on identifying the applicant's strengths, commitment to, and knowledge of the profession; and
- completion of the preprofessional requirements.

The **application deadline** for the 3 + 1 Program is April 1.

## Preprofessional Requirements

The preprofessional program consists of (1) courses that fulfill the University Studies Program and (2) prerequisite courses required by the CLS professional program. The University Studies Program (USP) is a program of required subjects that all students enrolled at the University of Kentucky must complete in order to receive a baccalaureate degree. See "University Studies Program" on pages 71-75 for the complete University Studies requirements.

### Prerequisite Course Requirements

2 semesters of general chemistry with laboratory  
1 semester general microbiology with laboratory  
1 semester of human physiology (or combined course in physiology and anatomy)  
1 semester of statistical methods  
1 semester of biochemistry (may take CLS 822 to fulfill this requirement)  
1 semester of immunology (may take CLS 835 to fulfill this requirement)

### Professional Course Requirements

CLS 832 Basic Clinical Chemistry .....	1
CLS 833 Basic Hematology .....	1
CLS 836 Laboratory Organization and Management .....	3
CLS 838 Basic Immunohematology .....	1
CLS 843 Advanced Clinical Hematology and Body Fluid Analysis .....	3
CLS 844 Advanced Clinical Chemistry .....	3
CLS 848 Advanced Immunohematology .....	3
CLS 851 Basic Clinical Microbiology .....	1
CLS 856 Advanced Clinical Microbiology .....	4
CLS 860 Blood Collection .....	1
CLS 881 Immunohematology Practicum .....	5
CLS 882 Practicum in Clinical Chemistry .....	5
CLS 883 Practicum in Clinical Hematology .....	5
CLS 884 Practicum in Clinical Microbiology .....	5
CLS 890 Laboratory Investigation .....	3
CSC 528 Laboratory Techniques for Non-CSC Students .....	2
<b>Subtotal: Professional Course Hours .....</b>	<b>46</b>

### 3 + 1 Program

The 10-month CLS professional program is offered on the Lexington campus of the University of Kentucky and encompasses the fourth year of study in the baccalaureate degree program. The program provides sequential instruction in laboratory medicine for the student who has been well prepared in science and mathematics during the first three years of study at the university. Through lecture, laboratory, demonstrations and clinical practica, students are prepared for clinical practice in the modern, automated laboratory. Graduates are eligible to take national certification examinations as Clinical Laboratory Scientists/Medical Technologists.

The program begins in the summer prior to the final year of study. During the summer session, students are introduced to the structure and regulatory guidelines of the clinical laboratory, and practice basic level clinical laboratory techniques in student laboratories. Following summer courses, students complete intense courses in the principles and

practices of basic hematology and clinical chemistry. Students then complete practica in clinical chemistry and hematology laboratories while supported by faculty lectures and demonstrations in advanced topics in these disciplines. Clinical practica are structured to sequentially present increasingly complex tasks.

Following winter break, students complete intense courses in the principles and practices of immunohematology and clinical microbiology. After completing lectures which cover basic practice in immunohematology and clinical microbiology, students complete practica in microbiology and immunohematology laboratories while supported by CLS faculty lectures and demonstrations. Concurrent with presentation of didactic materials and skills instruction, students integrate the knowledge that has been gained throughout the professional year by participating in an exploration of critical pathways and evidenced-based decision-making in the clinical laboratory.

Clinical practica may be completed at the University of Kentucky Hospital clinical laboratories and/or clinical laboratories throughout the state that have a current clinical affiliation agreement with the CLS Division in the College of Health Sciences. Throughout the year, students must attend classes on the Lexington campus, including all basic level instruction and advanced level didactic courses that coincide with the clinical practica.

Students holding baccalaureate degrees in a health-related science including biology, chemistry, biochemistry, medical biology, immunology, anatomy, physiology, nutritional sciences or health sciences education may enroll in the CLS professional program and earn a CHS certificate of completion. The required prerequisites must be completed before applying for admission. Upon successful completion of the 10-month professional program the student will receive a CHS Certificate of Completion in CLS and be eligible for a national registry examination.

For additional information, refer to: [www2.mc.uky.edu/cls/](http://www2.mc.uky.edu/cls/). Or contact:

**Ms. Margaret Steinman**  
**MPH, SBB, MT (ASCP)**  
**900 S. Limestone Street**  
**209E CTW Building**  
**Lexington, KY 40536-0200**  
**(859) 323-1100 ext. 8-0852**  
**mnstei0@uky.edu**

### Graduate Degrees in Clinical Sciences

The Clinical Sciences graduate programs offer a unique multidisciplinary masters and doctorate programs that address the rapidly changing health care environment and selected evolving clinical science disciplines. This program of study provides the opportunity for advanced education and career enhancement for health professionals in the

clinical sciences. The master's degree provides a foundation in advanced clinical sciences. Students may specialize in two areas of concentration: Reproductive Laboratory Sciences and Hematology/Transplantation Science. The Doctor of Science degree provides further study in the emerging field of Hematology and Transplantation Science and advanced research training.

For additional information, refer to: [www2.mc.uky.edu/cls/](http://www2.mc.uky.edu/cls/). Or contact:

**Linda S. Gorman, Ph.D., NCA (CLS)**  
**900 S. Limestone Street**  
**209H CTW Building**  
**Lexington, KY 40536-0200**  
**(859) 323-1100 ext. 8-0855**  
**lsgorm0@uky.edu**

## DEPARTMENT OF REHABILITATION SCIENCES

### B.H.S. with a major in COMMUNICATION DISORDERS

In keeping with the standards of the American Speech-Language-Hearing Association, the undergraduate program in communication disorders is considered to be a preprofessional degree program. In order to meet Kentucky licensure and American Speech-Language-Hearing Association certification requirements, it is necessary to complete the master's degree. Students pursuing this program should plan on six years to complete both the Bachelor of Health Science and Master of Science programs.

### Admission to the Professional Program

The Communication Disorders program has selective admissions. Applicants must complete a minimum of 42 credit hours at the time of application. Students are admitted to the professional program on a competitive basis. Admission is based on cumulative grade-point average, ACT or SAT scores, and relevant experiences. Applicants must submit a letter of application and three references. New students are admitted only for the fall semester of the junior year. The application deadline is February 1.

**University Studies Requirements Hours**  
 See "University Studies Program" on pages 71-75 for the complete University Studies requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill University Studies areas. Students should work closely with their advisor to complete the University Studies Program requirements.

**Social Sciences**  
 PSY 100 Introduction to Psychology ..... 4  
 plus one other course from University Studies  
 social sciences listing ..... 3

**Premajor Requirements Hours**  
 PSY 100 Introduction to Psychology ..... 4  
 plus completion of 42 credit hours or more at time of application

**Subtotal: Premajor Hours .... minimum of 46**

**Related Studies Requirement Hours**  
 LIN 211 Introduction to Linguistics I or  
 PSY 529 Psycholinguistics ..... 3

**Subtotal: Related Studies Hours ..... 3**

**Major Requirements Hours**

EDS 375 Introduction to Education of  
 Exceptional Children ..... 3  
 EDS 516 Principles of Behavior Management  
 and Instruction ..... 3  
 CD 277 Introduction to Communication Disorders ..... 3  
 CD 285 Applied Phonetics ..... 3  
 CD 378 Anatomy and Physiology of Speech ..... 3  
 CD 401 Bases of Hearing ..... 3  
 CD 402 Bases of Speech ..... 3  
 CD 410 Language Development  
 Through the Lifespan ..... 3  
 CD 420 Audiology ..... 3  
 CD 481 Clinical Experience in  
 Communication Disorders ..... 3  
 CD 482 Clinical Management of  
 Communication Disorders I ..... 3  
 CD 483 Clinical Management of  
 Communication Disorders II ..... 3  
 CD 484 Introduction to Diagnostic Procedures  
 in Speech-Language Pathology ..... 3  
 CD 571 Neural Bases of Speech,  
 Language, and Hearing ..... 3  
 \*EDP 202 Human Development and Learning ..... 3  
 \*EPE 301 Education in American Culture  
 \*These courses are optional, required for school certification.

**Subtotal: Major Hours ..... 42**

### Electives

CD 521 Nonspeech Communication ..... 3  
 Electives should be chosen by the student to lead to the minimum total of 120 hours required for graduation.

**TOTAL HOURS: ..... 120**

### Curriculum

#### Junior Year

##### Fall Semester

\*CD 277 Introduction to Communication Disorders ..... 3  
 CD 285 Applied Phonetics ..... 3  
 CD 378 Anatomy and Physiology of Speech ..... 3

##### Spring Semester

CD 401 Bases of Hearing ..... 3  
 CD 402 Bases of Speech ..... 3  
 CD 410 Language Development  
 Through the Lifespan ..... 3

#### Senior Year

##### Fall Semester

CD 420 Audiology ..... 3  
 \*\*CD 481 Clinical Experience in  
 Communication Disorders ..... 3  
 CD 482 Clinical Management of  
 Communication Disorders I ..... 3  
 CD 571 Neural Bases of Speech,  
 Language, and Hearing ..... 3

##### Spring Semester

\*\*CD 481 Clinical Experience in  
 Communication Disorders ..... 3  
 CD 483 Clinical Management of  
 Communication Disorders II ..... 3  
 CD 484 Introduction to Diagnostic Procedures  
 in Speech-Language Pathology ..... 3

\*May be taken as a pre-Communication Disorders course prior to the junior year.

\*\*Half of senior students take CD 481 during fall semester; the remaining half take course during spring semester.

### Certification and the Master's Degree

Upon completion of the undergraduate degree and with admission to the master's program, students complete the following courses for certification and the master's degree.

Course Requirements	Hours
CD 621 Alternative and Augmentative Communication .....	3
CD 647 Language Disorders in Developmentally Young Individuals .....	3
CD 648 Language Disorders in School-Age Populations .....	3
CD 661 Phonological Development and Disorders .....	3
CD 670 Voice Disorders .....	3
CD 674 Disorders of Fluency .....	3
CD 677 Neurogenic Communication Disorders I .....	3
CD 678 Neurogenic Communication Disorders II .....	3
CD 691 Aural Rehabilitation .....	3
CD 701 Research Methods in Communication Disorders .....	3
CD 771 Dysphagia .....	3
<b>Total Credit Hours</b> .....	<b>30</b>

The M.S. in Communication Disorders consists of 30 didactic hours plus optional thesis or comprehensive examinations.

### ASHA Certification

Applicants wishing to meet American Speech-Language-Hearing Association certification requirements must also complete the following additional clinical orientation, clinical practicum and clinical rotation experiences: plus 3 hours of graduate-level electives, and optional 1-6 hours in thesis or comprehensive exams:

CD 654 Clinical Orientation in Communication Disorders .....	3
CD 657 Clinical Practicum in Speech-Language Pathology .....	6
CD 659 Clinical Rotation in Speech-Language Pathology .....	21-30

Students completing the thesis option also complete the following:

CD 748 Master's Thesis Research .....	0
CD 768 Residence Credit for the Master's Degree .....	1-6

### Physical Therapy Program

The Division of Physical Therapy offers the dual B.H.S./M.S. in Physical Therapy degree.

The selection of students for the Dual Degree sequence will be on a competitive admissions basis with specific information and details available from the Division of Physical Therapy. Those students pursuing the dual degree must follow the **application procedures as outlined** through the Division of Physical Therapy for **both the undergraduate and graduate sequence**. Students apply **for graduate status after** completion of the first two semesters of the Professional Curriculum.

Additional related programs include the doctoral degree in rehabilitation sciences through the College of Health Sciences. Information about the other graduate offerings in physical therapy is available through the Division of Physical Therapy, University of

Kentucky, 900 S. Limestone St., Room 204, Lexington, KY 40536-0200. Or call (859) 323-1100, ext. 8-0494.

### Dual Degree

The following descriptors outline the requirements of the student to enter the graduate phase of this program of study (Bachelor of Health Science and Master of Science – terminal – non-thesis option). The student will have completed:

- 1) the overall **undergraduate application process** including references, appropriate University requirements, and acceptance into the Professional Program.
- 2) a minimum of 90 semester hours including specific University and Professional prerequisites and the first two semesters of the Professional Physical Therapy curriculum.
- 3) the graduate application process including references, GRE and University requirements (after completion of 1 and 2).

### Degree Requirements

#### Dual Degree Program

The professional sequence of study results in the award of the dual degrees, the Bachelor of Health Science and a Master of Science in Physical Therapy. This involves a continuous 30 months of study, requiring the completion of approximately 100 semester hours. The 100 hours are divided among the following: 15 hours of basic/related science, 19 hours of clinical clerkship/internship and 64 hours of physical therapy didactic and laboratory experiences. The students complete a joint research project and present it in both an oral and written format during the final portion of their graduate sequence of study. Students must successfully complete a written comprehensive examination during the last educational term of the program. The students are awarded a Bachelor of Health Science degree through the College of Health Sciences and a Master of Science in Physical Therapy degree from The Graduate School upon completion of the Professional Program. The Professional phase of study is accredited by the Commission on Accreditation in Physical Therapy Education (CAPTE) of the American Physical Therapy Association.

#### Professional Program Application Deadline

(Spring admissions only)

**June 1** – Deadline for UK and professional program applications, recommendations, transcript(s) and GRE scores.

**University Studies Requirements** Hours See “University Studies Program” on pages 71-75 for the complete University Studies requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill University Studies areas. Students should work closely with their advisor to complete the University Studies Program requirements.

#### Natural Sciences

CHE 105 General College Chemistry I .....	3
CHE 107 General College Chemistry II .....	3
CHE 115 General Chemistry Laboratory .....	3

#### Social Sciences

PSY 100 Introduction to Psychology .....	4
One other course from University Studies Program social sciences list .....	3

#### Premajor Requirements Hours

CHE 105 General College Chemistry I .....	3
CHE 107 General College Chemistry II .....	3
CHE 115 General Chemistry Laboratory .....	3
BIO 150 Principles of Biology I .....	3
BIO 151 Principles of Biology Laboratory I .....	2
BIO 152 Principles of Biology II .....	3
BIO 153 Principles of Biology Laboratory II .....	2
PHY 211 General Physics .....	5
PHY 213 General Physics .....	5

#### Non-science Pre-Requirements

PSY 100 Introduction to Psychology .....	4
PSY 223 Developmental Psychology .....	3
CLA 131 Medical Terminology from Greek and Latin .....	3
STA 200 Statistics: A Force in Human Judgment or STA 291 Statistical Method .....	3

It is strongly recommended that the student include courses in mathematics, computer science and human anatomy in elective course work.

**Subtotal: Premajor Hours** ..... 42

#### Major Requirements Hours

ANA 801 Histology for Physical Therapy Students .....	1
ANA 811 Human Anatomy for Allied Health Professions .....	5
BSC 331 Behavioral Factors in Health and Disease .....	3
PGY 412G Principles of Human Physiology Lectures .....	4
PT 834 Introduction to Physical Therapy and Bioethics .....	3
PT 805 Normal Functional Anatomy .....	3
PT 815 Basic Clinic Skills .....	5
PT 856 Therapeutic Exercise I .....	2
ANA 802 Neuroanatomy for Physical Therapy Students .....	2
PT 645 Research and Measurement in Physical Therapy .....	3
PT 652 Pathomechanics .....	3
PT 831 Clinical Neurophysiology .....	2
PT 854 Biology of Disease .....	3
PT 835 Physical Therapy Clerkship I .....	2
PT 676 Electrophysiological Testing and Therapeutics .....	1
PT 650 Dysfunction of Peripheral Joints .....	3
PT 654 Mechanisms of Motor Control .....	3
PT 847 Medical and Physical Therapy Management of Neurological Problems .....	3
PT 877 Cardio-Respiratory Therapy .....	2
PT 836 Physical Therapy Clerkship II .....	3
PT 603 Pharmacology for Physical Therapy Students .....	1
PT 628 Gerontology for Physical Therapy Students .....	1
PT 651 Dysfunction of Vertebral Joints .....	3
PT 825 Prosthetics .....	2
PT 887 Introduction to Physical Therapy Management .....	1
PT 826 Orthotics .....	2
PT 655 Neuromotor Development .....	3
PT 676 Electrophysiological Testing and Therapeutics .....	1
*PT 686 Specialty Electives .....	1-4
PT 668 Research Topics in Physical Therapy: Analysis .....	1

PT 821 Assessment and Management of Patients With Acute Care Disorders .....	2
PT 827 Physical Therapy Management of the Spinal Cord Injured Patient .....	1
PT 837 Physical Therapy Internship I .....	4
PT 838 Physical Therapy Internship II .....	6
PT 839 Physical Therapy Internship III .....	6
PT 888 Advanced Physical Therapy Management .....	3
**PT 669 Research Topics in Physical Therapy:	
Outcomes .....	1-3
PT 770 Seminar in Physical Therapy .....	3
*Plan B students take 3 credit hours.	
**Plan B students take 1 credit hour.	
<b>Subtotal: Major Hours</b> .....	<b>98-103</b>
<b>TOTAL HOURS:</b> .....	<b>140-145</b>

**Tentative Course Sequence\***

**FIRST YEAR**

<b>Spring Semester</b>	<b>Hours</b>
ANA 801 Histology for Physical Therapy Students .....	1
ANA 811 Human Anatomy for Allied Health Professions .....	5
BSC 331 Behavioral Factors in Health and Disease .....	3
PGY 412G Principles of Human Physiology Lectures .....	4
PT 834 Introduction to Physical Therapy and Bioethics .....	3

**Summer Sessions**

PT 805 Normal Functional Anatomy .....	3
PT 815 Basic Clinic Skills .....	5
PT 856 Therapeutic Exercise I .....	2

**Fall Semester**

ANA 802 Neuroanatomy for Physical Therapy Students .....	2
PT 645 Research and Measurement in Physical Therapy .....	3
PT 652 Pathomechanics .....	3
PT 831 Clinical Neurophysiology .....	2
PT 854 Biology of Disease .....	3
PT 835 Physical Therapy Clerkship I .....	2
PT 676 Electrophysiological Testing and Therapeutics .....	1

**SECOND YEAR**

<b>Spring Semester</b>	<b>Hours</b>
PT 650 Dysfunction of Peripheral Joints .....	3
PT 654 Mechanisms of Motor Control .....	3
PT 847 Medical and Physical Therapy Management of Neurological Problems .....	3
PT 877 Cardio-Respiratory Therapy .....	2
PT 836 Physical Therapy Clerkship II .....	3

**Summer Sessions**

PT 603 Pharmacology for Physical Therapy Students ..	1
PT 628 Gerontology for Physical Therapy Students .....	1
PT 651 Dysfunction of Vertebral Joints .....	3
PT 825 Prosthetics .....	2
PT 887 Introduction to Physical Therapy Management .....	1
PT 826 Orthotics .....	2

**Fall Semester**

PT 655 Neuromotor Development .....	3
PT 676 Electrophysiological Testing and Therapeutics .....	1
PT 686 Specialty Electives .....	3-4
PT 668 Research Topics in Physical Therapy: Analysis .....	1
PT 821 Assessment and Management of Patients With Acute Care Disorders .....	2

PT 827 Physical Therapy Management of the Spinal Cord Injured Patient .....	1
PT 837 Physical Therapy Internship I .....	4

**THIRD YEAR**

<b>Spring Semester</b>	<b>Hours</b>
PT 838 Physical Therapy Internship II .....	6
PT 839 Physical Therapy Internship III .....	6
PT 888 Advanced Physical Therapy Management .....	3

**Summer Sessions**

PT 669 Research Topics in Physical Therapy: Outcomes .....	1
PT 770 Seminar in Physical Therapy .....	3

\*Course scheduling adjustments may occur in this sequence of the PT Professional curriculum.

For further information, contact:

**Physical Therapy Program**  
**900 S. Limestone St., Room 204**  
**University of Kentucky**  
**Lexington, KY 40536-0200**  
**(859) 323-1100 ext. 8-0494**  
**www2.mc.uky.edu/Pt/**

**Rural Health Center**

In 1992, the College of Health Sciences initiated a special program in physical therapy based at the Center for Rural Health in Hazard, Kentucky. This professional program starts in January of each year. The selection of the class takes place in the preceding summer. For more information and/ or an application, please contact:

**Office of Student Affairs**  
**College of Health Sciences**  
**900 S. Limestone Street**  
**Lexington, KY 40356-0200**  
**(859) 323-1100 ext. 8-0473**

**GRADUATE DEGREES IN HEALTH SCIENCES**

**Master of Science in Athletic Training**

The master's degree program in Athletic Training (AT) is designed to accommodate both NATA certified athletic trainers and NATA "certification eligible" athletic trainers. Course work and clinical experiences are designed to develop skills necessary to conduct research and increase proficiency in sports injury prevention, treatment, and rehabilitation. It is a goal that graduates become: critical consumers of research and accepted clinical practices, advanced health care providers, and leaders in the clinical, educational, and research endeavors of the profession.

For more information, contact:

**Dr. Carl Mattacola**  
**Athletic Training**  
**900 S. Limestone St., Room 206**  
**210E CTW Building**  
**University of Kentucky**  
**Lexington, KY 40536-0200**  
**(859) 323-1100 ext. 8-0860**  
**e-mail: carlmat@uky.edu**  
**www2.mc.uky.edu/Athletic\_training**

**Master of Science in Clinical Laboratory Sciences**

The College offers the Master of Science in Clinical Laboratory Sciences. For more information, contact:

**Doris J. Baker, Ph.D., Director**  
**Clinical Laboratory Sciences Program**  
**900 S. Limestone St., Room 209G**  
**University of Kentucky**  
**Lexington, KY 40536-0200**  
**(859) 323-1100 ext. 8-0854**  
**e-mail: dbake0@uky.edu**  
**www.mc.uky.edu/cls/**

**Master of Science in Communication Disorders**

The Master of Science in Communication Disorders is designed for students seeking entry-level professional preparation in speech-language pathology. The degree is available for students who have completed an undergraduate major in communication disorders. Any student without an undergraduate major in Communication Disorders should apply as a prerequisite student in the undergraduate program to complete the prerequisite course work. The curriculum incorporates course work and intensive clinical practicum experiences designed to prepare students to meet state licensure and national certification requirements. For further information, contact:

**Director of Graduate Studies**  
**Division of Communication Disorders**  
**900 S. Limestone St., Room 120**  
**University of Kentucky**  
**Lexington, KY 40536-0200**  
**(859) 323-1100 ext. 8-0557**

**Master of Science in Health Physics**

This program option produces specialists in the safe, efficient use of radiation and radioactive materials. Such professionals are responsible for the protection of the health and safety of users of radiation and the general public. The health physicist draws upon knowledge and skills derived from physics, mathematics, biology, medicine, chemistry, and management. As use of radiation has become more frequent and highly regulated, employment of radiation protection specialists has greatly increased.

For further information about this program, contact:

**Division of Radiation Sciences**  
**900 S. Limestone St., Room 208**  
**University of Kentucky**  
**Lexington, KY 40536-0200**  
**(859) 323-1100 ext. 8-0847**  
**e-mail: rcchri1@uky.edu**

**Master of Science in Nutritional Sciences**

The program is designed to develop nutrition specialists, knowledgeable in the meta-

bolic changes that occur in normal exercise and various pathophysiological states. Opportunities for specialization are available in the areas of nutrition support, wellness and sports nutrition, community nutrition, and molecular biochemical nutrition. In addition, concurrent participation in an American Dietetic Association (ADA) approved dietetic internship and/or Physician Assistant Program are possible. Continued graduate study in Clinical Nutrition is possible through the multidisciplinary Ph.D. program in Nutritional Sciences.

The courses provide the student with in-depth knowledge of the role of nutrition in metabolism, the physiology of organ systems, and the pathophysiology of specific disease states. Elective course selections provide program focus while allowing maximum flexibility to meet individual needs. A minimum of 35 credit hours of course work is required for graduation.

For further information, contact:

**Clinical Nutrition**  
**900 S. Limestone St., Room 214**  
**University of Kentucky**  
**Lexington, KY 40536-0200**  
**(859) 323-1100 ext. 8-0516**

### Master of Science in Physical Therapy

The Division of Physical Therapy offers the Master of Science degree to qualified graduate students that have already obtained a professional physical therapy degree. The Master of Science in Physical Therapy degree with both thesis (Plan A) and non-thesis (Plan B) options is offered. Plan A is designed as an advanced degree sequence involving an area of specialty concentration (musculoskeletal, neuromuscular, cardiopulmonary) and the completion of an individual research project resulting in a thesis. Plan B is designed for the graduate physical therapist to further his or her knowledge in physical therapy practice and clinical research and requires the completion of a joint research project rather than the individual project and thesis. Graduates of the M.S. program will be prepared for advanced clinical practice in their selected area, able to conduct and report research, have experience in academic and clinical teaching and will be prepared to assume a leadership role in the profession. The intensity and depth of the course work will also prepare the student for work towards a doctoral degree if they so desire. For further information, contact:

**Director of Graduate Studies**  
**Physical Therapy Division**  
**900 S. Limestone St., Room 204**  
**University of Kentucky**  
**Lexington, KY 40536-0200**  
**(859) 323-1100 ext. 8-0494**

### Master of Science in Physician Assistant Studies

#### Criteria for Admission

All applicants must have taken the Graduate Record Examination (GRE) within the last five years. Official scores of the verbal, quantitative and analytical portions of the GRE must be submitted with application.

All applicants must hold a baccalaureate degree with a minimum GPA of 3.0 accredited college or university. Applicants must have earned a C grade or better in the following prerequisite courses:

#### Prerequisite Courses

1 semester of general chemistry with laboratory  
 1 semester of organic chemistry with laboratory  
 1 semester of general psychology  
 1 semester of developmental psychology  
 1 semester of biology/zoology with laboratory  
 1 semester of microbiology (lab recommended)  
 1 semester of sociology/anthropology  
 1 semester of human anatomy  
 1 semester of human physiology  
 1 semester of medical terminology

#### Letters of Recommendation

Three (3) letters of recommendation must be submitted from persons familiar with the applicant (for at least one year) and his/her professional goals.

#### Commitment

Applicants must demonstrate an understanding of and commitment to the role and responsibilities of a physician assistant.

#### Admission Essays

Applicants must submit an Admissions Essay according to the directions of the application for admission. The writing sample must be of graduate level quality and reflect the applicant's commitment to primary care.

#### Basic Life Support

Proof of current American Heart Association certification of basic life support must be submitted at the time of application and certification must be maintained throughout the program.

#### Technical Standards

All applicants must comply with the Technical Standards of the Physician Assistant Studies Program as established by the College of Health Sciences.

#### Interview

Competitive applicants who have complete files and who meet the minimum entrance requirements as set forth above will be granted an interview.

### Health Care Experience

Health care experience is preferred, but not required.

For further information, contact:

**Physician Assistant Studies**  
**900 S. Limestone St.**  
**University of Kentucky**  
**Lexington, KY 40536-0200**  
**(859) 323-1100 ext. 8-0492**  
**www.mc.uky.edu/pa**

### Physician Assistant Program – Morehead, Kentucky

The College of Health Sciences offers an extension of the UK Physician Assistant Studies Program in Morehead, Kentucky. This professional program conducts selective admissions during the summer semester each year. The program selectively admits students from the 32 counties of eastern Kentucky, or students with a special interest in rural health. For information on eligibility requirements and applications, please contact:

**Student Services Officer**  
**Physician Assistant Program**  
**UPO Box 715, Reed Hall 225**  
**Morehead, KY 40351-1689**  
**(606) 783-2636**

### Master of Science in Radiological Medical Physics

This program option trains professionals involved with the application of ionizing and nonionizing radiation to the diagnosis and treatment of disease. Such individuals plan radiation treatments for cancer patients, measure output from radiation sources, calibrate and evaluate instrumentation, design radiation facilities, and control medical radiation hazards.

For further information about this program option, contact:

**Division of Radiation Sciences**  
**900 S. Limestone St., Room 208**  
**University of Kentucky**  
**Lexington, KY 40536-0200**  
**(859) 323-1100 ext. 8-0847**  
**e-mail: rcchri1@uky.edu**