Students desiring to explore their options in healthcare can select the Exploratory in the Health Sciences program as an initial course of study before making a long-term selection.

Undergraduate Certificates
The University of Kentucky grants the following undergraduate certificates in the College of Health Sciences:
- Clinical Healthcare Management
- Nutrition for Human Performance
- Research in Human Health Sciences

Exploratory Studies in Health Sciences
Exploratory Studies in Health Sciences (EHS) provides a home for students who are exploring potential majors at University of Kentucky for a pathway to working in health care. The EHS Academic Advisor assists students with their transition to university, identification of a best fit major for their professional goals, and transition to their chosen academic major and college. Students may enter EHS because there are many areas that interest them, they are weighing options for major choice leading to their health profession goal, or they wish to explore professional options more generally and have some interest in health.

In addition to participation in academic and career advising and co-curricular activities, incoming EHS students will be required to follow a curricular pathway. The curricular path will include a set of courses that provides students with the greatest opportunity for successful matriculation into a CHS program of study and is centered on exposure to the vast opportunities available in the college and in overall healthcare related fields. The EHS students will be cohered into courses that provide an opportunity for exploration and community connection. The curriculum is delineated in “EHS Curricular Pathway” below. (NOTE: At the time of publication, the EHS curricular pathway requirement was pending approval by the University Senate.) Students may remain in Exploratory Studies until they have earned 60 credit hours. The academic advisor works with students to help them clarify their academic and professional goals, realistically assess their capabilities and options, develop an appropriate degree plan, connect with campus resources, and declare a major of interest. The advisor also makes referrals to student support services on campus for career interest testing, personal counseling, tutoring, and assistance with study skills. For more information about EHS, contact Casey Shadix, Ph.D., at casey.shadix@uky.edu or 859-218-0573.

### 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)

Applications are available on the program website (see below):

<table>
<thead>
<tr>
<th>Program</th>
<th>Fall</th>
<th>Spring</th>
<th>Summer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clinical Leadership and Management</td>
<td>Rolling Admissions</td>
<td>Rolling Admissions</td>
<td>Rolling Admissions</td>
</tr>
<tr>
<td><a href="www.uky.edu/chs/clm">www.uky.edu/chs/clm</a></td>
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<tr>
<td>Communication Sciences and Disorders</td>
<td></td>
<td>February 1</td>
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<tr>
<td><a href="www.uky.edu/chs/csd">www.uky.edu/chs/csd</a></td>
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<tr>
<td>Human Health Sciences</td>
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<td><a href="www.uky.edu/chs/hhs">www.uky.edu/chs/hhs</a></td>
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<tr>
<td>Medical Laboratory Science</td>
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<tr>
<td>Traditional Track (Lexington/Hazard)</td>
<td>March 1 / May 1</td>
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<tr>
<td><a href="www.uky.edu/chs/mls">www.uky.edu/chs/mls</a></td>
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<tr>
<td>MLT to MLS Track</td>
<td>June 1</td>
<td></td>
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</tr>
</tbody>
</table>
**Admissions Procedures**

**Baccalaureate Programs**

Baccalaureate programs in the College of Health Sciences are divided into preprofessional and professional programs. A **premajor program** is comprised of courses prerequisite to professional program content as well as UK Core 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 into a premajor program if they meet University entrance requirements or to the Clinical Leadership and Management program if they are selected for admission.

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 Communication Sciences and Disorders and Medical Laboratory Science 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. Clinical Leadership and Management (Track A, B and C) and Human Health Sciences admissions procedures require students to apply for admission to the University as well as to the College of Health Sciences, either upon initial admission to the University or during the freshman or sophomore year.

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 major 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 as directed by each program, except for Clinical Leadership and Management and Human Health Sciences where students gain entry through a selective admissions process at other times. Transfer students into Human Health Sciences are strongly encouraged to complete the following prerequisites prior to application:

CHE 105 General Chemistry I

CHE 111 General Chemistry I Laboratory

PSY 100 Introduction to Psychology

MA 137 Calculus I With Life Science Applications

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:

**Clinical Leadership and Management**

[www.uky.edu/chs/clm](http://www.uky.edu/chs/clm)

**Communication Sciences and Disorders**

[www.uky.edu/chs/csd](http://www.uky.edu/chs/csd)

**Human Health Sciences**

[www.uky.edu/chs/hhs](http://www.uky.edu/chs/hhs)

**Medical Laboratory Science**

[www.uky.edu/chs/mls](http://www.uky.edu/chs/mls)

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 websites.

**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**

201 Gillis Building

University of Kentucky

Lexington, KY 40506-0033

(859) 257-4613

fax: (859) 323-5986

[www.research.uky.edu/gs/](http://www.research.uky.edu/gs/)

The College of Health Sciences offers graduate programs in the following areas: Athletic Training, Communication Sciences and Disorders, Physical Therapy, Physician Assistant Studies, and Rehabilitation Sciences.

**Probation and Suspension**

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

**Background Checks and Drug Screens**

The College of Health Sciences requires full background checks and drug screenings for all students. This has become necessary due to the increasing numbers of our affiliates (e.g., hospitals, schools, units) that are requesting drug testing for employees and students who are trained by them. The college works with a company called Castle Branch to meet these requirements. Students MUST complete these requirements via the Castle Branch system. Background checks and drug screens from other sources will NOT be accepted. The UK Castle Branch portal can be found at: [https://uky-health.castlebranch.com/](https://uky-health.castlebranch.com/). Select “Place order”. Students can expect to pay approximately $95 to the company. Information regarding this process will be provided and will need to be completed prior to the student’s start of applicable program. The student and the college will receive results shortly after the process is completed. If necessary, the student will have the opportunity to discuss or explain any discrepancies. Students failing to submit these information may be dropped from consideration or dismissed from the programs.
documents will not be granted final acceptance into applicable program.

Students must understand that this background check and drug screening may not be the last or final request, as additional checks may be required by particular clinical sites, the program, and/or college. A “positive” result during one’s student tenure may lead to dismissal from the program – students are encouraged to be proactive in conversations about potential background check issues and should contact Tammy Jo Edge at Tammy.Edge@uky.edu for advisement with this matter. Costs associated with these tests will be the student’s responsibility.

NOTICE TO ALL APPLICANTS

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

ADMISSIONS, RECRUITMENT AND 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 website. For academic advising and recruiting, contact:

Allison Burton  
Academic Advisor  
arrich2@uky.edu  
859-218-0473  
or  
Amy Karr  
Academic Advisor  
amy.karr@uky.edu  
or  
Marcus T. Epps  
Academic Advisor  
Marcus.Epps@uky.edu  
or  
Richard Roberts  
Director of Recruitment  
(859) 323-6743  
richard.roberts3@uky.edu  
or  
Rebecca Serrano  
Student Success and  
Financial Wellness Coordinator  
(859) 218-0864  
rebecca.serrano@uky.edu  
or  
Casey Shadix, Ph.D.  
Director of Advising  
(859) 218-0573  
casey.shadix@uky.edu

BACCALAUREATE PROGRAMS

College Graduation Requirements

To graduate with a Bachelor of Health Sciences or a Bachelor of Science degree from the College of Health Sciences, a student must (1) satisfy UK Core 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. with a major in CLINICAL LEADERSHIP AND MANAGEMENT

Graduates of the Clinical Leadership and Management program earn a Bachelor of Health Science (B.H.S.) degree. The purpose of the program is to provide entry level, transfer, and health care professionals with formal academic education and skills training needed to prepare them for leadership and management roles and responsibilities. The program offers a career ladder for professional advancement in the health sciences. Program graduates will be prepared to assume greater responsibilities at their current jobs, be better qualified for job promotions, and be positioned for graduate studies.

This program is designed for health care professionals who have an associate degree in a health-related discipline (Track A), entry level students (Track B), or health services executive/long-term care management (Track C). Track C is not active and accepting students at this time. Historically, there have been limited educational options for associate degree trained health professionals who are interested in pursuing a baccalaureate degree in Kentucky. This degree completion program accommodates freshmen, associates or transfer students from many allied health disciplines including, but not limited to: radiological technology, respiratory therapy, dental hygiene, clinical laboratory technicians, and nursing.

It is anticipated that graduates of the B.H.S. program in Clinical Leadership and Management will benefit from advanced knowledge and skills which will enhance their job/career, work environment and quality of life.

For additional information, go to:  
www.uky.edu/chs/clm.

Application Process and Requirements

The admissions process begins with an application to the University of Kentucky by December 1 for spring enrollment and August 1 for fall enrollment. For incoming freshmen applying for admission for summer, the deadline is February 15. For transfer students and readmitted students applying for admission for summer, the deadline is April 15. Application must also be made directly to the CLM program for Track A students. The CLM Track A program uses rolling admissions once applicants are accepted by the University as a degree seeking student. Track B entry level students may apply to the University of Kentucky for either fall or spring admission.

Academic advising and information about admissions is available from:

Richard Roberts  
Director of Recruitment  
(859) 323-6743  
richard.roberts3@uky.edu  
or  
Casey Shadix, Ph.D.  
Director of Advising  
(859) 218-0573  
casey.shadix@uky.edu  
or  
Office of Student Affairs  
College of Health Sciences  
University of Kentucky  
111 Charles T. Wethington Bldg.  
Lexington, KY 40536-0200

All transfer credits to meet CLM program core courses and electives must receive prior approval by the CLM Director of Undergraduate Studies or student advisor. For additional information about program content, email Professor Sarah Kerscmar at: sarah.kerscmar@uky.edu.

TRACKS

Track A is intended for health care professionals who have an associate degree in a health-related discipline and one year in a healthcare setting. Track B is intended for entry level students. Track C is intended for health services executives. Track C is not active and accepting students at this time.

Depending on their status, students must complete one of the following tracks:

Track A – Associate Degree

Students will have to maintain an overall GPA of 3.0 in the CLM Core Courses and an overall GPA of 2.8 in all courses. If during any semester the student drops below the GPAs designated above, the student will be placed on probation for one semester and if the GPA remains below 3.0 for the CLM Core Courses or less than an overall GPA of 2.8 the student will be suspended from the program.

The Curriculum

A total of 120 credits (including 42 credits as listed below, UK Core and 39 core curriculum graduation requirements) are required to receive the Bachelor of Health Sciences degree from the University of Kentucky. The core curriculum of 42 credits includes:
UK Core Requirements

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
   Choose one course from approved list ........................3

II. Intellectual Inquiry in the Humanities
    Choose one course from approved list ........................3

III. Intellectual Inquiry in the Social Sciences
     Choose one course from approved list ........................3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
    Choose one course from approved list ........................3

V. Composition and Communication I
   CIS/WRD 110 Composition and Communication I ................3

VI. Composition and Communication II
    CIS/WRD 111 Composition and Communication II .................3

VII. Quantitative Foundations
     Choose one course from approved list ........................3

VIII. Statistical Inferential Reasoning
      Choose one course from approved list ........................3

IX. Community, Culture and Citizenship in the USA
    Choose one course from approved list ........................3

X. Global Dynamics
    Choose one course from approved list ........................3

UK Core hours ................................................................30

Graduation Composition and Communication Requirement (GCCR)

CLM 595 Directed Studies ..............................................3

Graduation Composition and Communication Requirement hours (GCCR) ..............................................3

Premajor Requirements

Associates Degree plus one year work experience OR two years’ experience in a Healthcare Related field

Additional Program Requirements

CIS 300 Strategic Business and Professional Communication (W) ..............................................3

Core Curriculum Hours

CLM 241 Health and Medical Care
   Hours ................................................................3
   Delivery Systems ....................................................3

CLM 350 Health Policy and Politics ................................3

CLM 351 Health Services Administration ........................3

CLM 353 Ethics in Healthcare .........................................3

CLM 354 Health Law ....................................................3

CLM 355 Financial Management of Health Care Institutions ..................3

CLM 357 Electronic Health Records ..................................2

CLM 405 Social and Cultural Evolution of Disease ..................3

CLM 444 Leadership and Human Resource Management .................3

CLM 445 Quality and Productivity Improvement and Evaluation ...........3

CLM 452 Community and Institutional Planning for Health Services Delivery ..................3

CLM 495 Introduction to the Capstone ................................1

CLM 595 Directed Studies ..............................................1-3

HHS 454 Research in Human Health Sciences ........................3

Free Elective Credits .....................................................14

Major hours ..................................................................42

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

Track B – Entry Level

Students will have to maintain an overall GPA of 3.0 in the CLM Core Courses and an overall GPA of 2.8 in all courses. If during any semester the student drops below the GPAs designated above, the student will be placed on probation for one semester and if the GPA remains below 3.0 for the CLM Core Courses or less than an overall GPA of 2.8 the student will be suspended from the program.

UK Core Requirements

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
   Choose one course from approved list ........................3

II. Intellectual Inquiry in the Humanities
    Choose one course from approved list ........................3

III. Intellectual Inquiry in the Social Sciences
     PSY 100 Introduction to Psychology ..............................4

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
    Choose one course from approved list ........................3

V. Composition and Communication I
   CIS/WRD 110 Composition and Communication I .................3

VI. Composition and Communication II
    CIS/WRD 111 Composition and Communication II .................3

VII. Quantitative Foundations
     MA 123 Elementary Calculus and Its Applications ...............4

VIII. Statistical Inferential Reasoning
      Choose one course from approved list ........................3

IX. Community, Culture and Citizenship in the USA
    Choose one course from approved list ........................3

X. Global Dynamics
    ANT 160 Cultural Diversity in the Modern World or GEO 161 Global Inequalities ..................3

UK Core hours ................................................................32

Graduation Composition and Communication Requirement (GCCR)

CLM 595 Directed Studies ..............................................1-3

Graduation Composition and Communication Requirement hours (GCCR) ..............................................1-3

Additional Prerequisites

CIS 300 Strategic Business and Professional Communication (W) ..............................................3

CLA 131 Medical Terminology
   from Greek and Latin ..................................................3

HHS 101 Survey of Health Professions I ..............................1

HHS 102 Survey of Health Professions II:
   Shadowing Experience ................................................1

Core Curriculum Hours

CLM 241 Health and Medical Care
   Hours ................................................................3
   Delivery Systems ....................................................3

CLM 350 Health Policy and Politics ................................3

CLM 351 Health Services Administration ........................3

CLM 405 Social and Cultural Evolution of Disease ...............3

CLM 354 Health Law ....................................................3

CLM 355 Financial Management of Health Care Institutions ..................3

CLM 452 Community and Institutional Planning for Health Services Delivery ..................3

CLM 444 Leadership and Human Resource Management .................3

CLM 445 Quality and Productivity Improvement and Evaluation ...........3

CLM 370 Electronic Health Records ..................................2

CLM 405 Social and Cultural Evolution of Disease ..................3

CLM 354 Health Law ....................................................3

CLM 355 Financial Management of Health Care Institutions ..................3

CLM 452 Community and Institutional Planning for Health Services Delivery ..................3

CLM 444 Leadership and Human Resource Management .................3

CLM 445 Quality and Productivity Improvement and Evaluation ...........3

CLM 357 Electronic Health Records ..................................2

HHS 454 Research in Human Health Sciences ........................3

Free Elective Credits .....................................................14

Major hours ..................................................................42

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

Track C – Health Services Executive

Students will have to maintain an overall GPA of 3.0 in the CLM Core Courses and an overall GPA of 2.8 in all courses. If during any semester the student drops below the GPAs designated above, the student will be placed on probation for one semester and if the GPA remains below 3.0 for the CLM Core Courses or less than an overall GPA of 2.8 the student will be suspended from the program.

UK Core Requirements

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity
   Choose one course from approved list ........................3

II. Intellectual Inquiry in the Humanities
    Choose one course from approved list ........................3

III. Intellectual Inquiry in the Social Sciences
     PSY 100 Introduction to Psychology ..............................4

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
    Choose one course from approved list ........................3

V. Composition and Communication I
   CIS/WRD 110 Composition and Communication I .................3

VI. Composition and Communication II
    CIS/WRD 111 Composition and Communication II .................3

VII. Quantitative Foundations
     MA 123 Elementary Calculus and Its Applications ...............4

VIII. Statistical Inferential Reasoning
      Choose one course from approved list ........................3

IX. Community, Culture and Citizenship in the USA
    Choose one course from approved list ........................3

X. Global Dynamics
    ANT 160 Cultural Diversity in the Modern World or GEO 161 Global Inequalities ..................3

UK Core hours ................................................................32

Graduation Composition and Communication Requirement (GCCR)

CLM 595 Directed Studies ..............................................1-3

Graduation Composition and Communication Requirement hours (GCCR) ..............................................1-3

Additional Prerequisites

CIS 300 Strategic Business and Professional Communication (W) ..............................................3

CLA 131 Medical Terminology
   from Greek and Latin ..................................................3

HHS 101 Survey of Health Professions I ..............................1

HHS 102 Survey of Health Professions II:
   Shadowing Experience ................................................1

Core Curriculum Hours

CLM 241 Health and Medical Care
   Hours ................................................................3
   Delivery Systems ....................................................3

CLM 350 Health Policy and Politics ................................3

CLM 351 Health Services Administration ........................3

CLM 405 Social and Cultural Evolution of Disease ...............3

CLM 354 Health Law ....................................................3

CLM 355 Financial Management of Health Care Institutions ..................3

CLM 452 Community and Institutional Planning for Health Services Delivery ..................3

UK Core hours ................................................................32

Graduation Composition and Communication Requirement (GCCR)

CLM 595 Directed Studies ..............................................3

Graduation Composition and Communication Requirement hours (GCCR) ..............................................3
Additional Prerequisites
CIS 300 Strategic Business and Professional Communication (W) ......................... 3
CLA 131 Medical Terminology from Greek and Latin ........................................ 3
HHS 101 Survey of Health Professions I ........................................ 1
HHS 102 Survey of Health Professions II: Shadowing Experience ..................... 1

Core Curriculum     Hours
CLM 241 Health and Medical Care Delivery Systems ........................................ 3
CLM 350 Health Policy and Politics .................................................................. 3
CLM 351 Health Services Administration ................................................................ 3
CLM 405 Social and Cultural Evolution of Disease ........................................... 3
CLM 354 Health Law ......................................................................................... 3
CLM 355 Financial Management of Health Care Institutions .............................. 3
CLM 452 Community and Institutional Planning for Health Services Delivery ........ 3
CLM 444 Leadership and Human Resource Management .................................. 3
CLM 445 Quality and Productivity Improvement and Evaluation ...................... 3
CLM 353 Ethics in Healthcare ............................................................................. 3
CLM 370 Electronic Health Records ................................................................... 2
HHS 454 Research in Human Health Sciences .................................................... 3
CLM 495 Introduction to the Capstone ................................................................ 1
CLM 395 Directed Studies .................................................................................. 3
CLM 501 Practicum .............................................................................................. 9

Additional Required
GRN 250 Aging in Today’s World ......................................................................... 3
CLM 380 Long Term Care Administration ............................................................ 3
CLM 470 Long Term Care Management ................................................................ 3
CLM 570 Managing Health Issues in Long Term Care: Team Approach ............. 2
Free Elective Credits ........................................................................................... 21

Major hours .......................................................... 67
TOTAL HOURS: .................................................. 120

For More Information
Visit: www.uky.edu/chs/clm.

B.S. with a major in HUMAN HEALTH SCIENCES

Students interested in health care have a variety of academic options. The Human Health Sciences (HHS) baccalaureate program was created to address the need for a well-prepared health care work force. Graduates of this program will have a strong foundation in competencies necessary to deliver high quality health care in an interprofessional, dynamic environment. This program is not intended to replace traditional pathways to health care careers; instead, it is intended to offer a unique alternative for those who seek careers in health care and the health professions. Specifically, the degree offers eight options for students interested in future graduate or professional study: Athletic Training, Audiology, Dentistry, Occupational Therapy, Optometry, Pharmacy, Physical Therapy, and Physician Assistant programs. This degree also prepares students for work in a variety of other fields, including midlevel management or supervision across health care environments, medical or pharmaceutical sales, patient navigation, and community health advocacy.

Admission
Admission into the Human Health Sciences baccalaureate program is highly competitive. The following factors will be taken into consideration as part of the admissions decision:

- high school GPA (preference given to those with an unweighted high school grade-point-average of 3.5 or higher);
- ACT or SAT scores (preference given to those with a 28 ACT or composite SAT equivalent or higher);
- service and volunteerism;
- shadowing and observation of healthcare professionals;
- cultural experiences as well as leadership roles;
- completion of program application and interview process.

The Human Health Sciences program employs a holistic admissions model in which all aforementioned values are weighed equally along with an interview experience. The program priority application deadline is December 1 of each year and will include a personal statement. A rolling admissions process shall be utilized until the cohort is filled. Interviews will be conducted to allow student finalists to demonstrate their non-academic skills.

Human Health Sciences’ students must maintain a 3.0 cumulative GPA and have a C or higher in all courses required for the degree in order to graduate. A D or E in any course, or term GPA below 3.0, will result in HHS probation. Failure to regain good standing during probation semester may result in HHS suspension.

UK Core Requirements
See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

The Human Health Sciences baccalaureate program has selected specific UK Core courses that also meet major requirements. Students may choose their own UK Core approved course in areas where a specific one is not listed (e.g., Arts and Creativity, Humanities, etc.):

I. Intellectual Inquiry in Arts and Creativity
Choose one course from approved list ......................................................... 3

II. Intellectual Inquiry in the Humanities
Choose one course from approved list ......................................................... 3

III. Intellectual Inquiry in the Social Sciences
PSY 100 Introduction to Psychology .............................................................. 4

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences
CHE 105 General College Chemistry I and
CHE 111 General Chemistry I Laboratory .................................................. 5

V. Composition and Communication I
CIS/WRD 110 Composition and Communication I ........................................... 3

VI. Composition and Communication II
CIS/WRD 111 Composition and Communication II ....................................... 3

VII. Quantitative Foundations
MA 137 Calculus I With Life Science Applications .......................................... 4

VIII. Statistical Inferential Reasoning
Choose either:
- STA 210 Making Sense of Uncertainty: An Introduction to Statistical Reasoning
- STA 296 Statistical Methods and Motivations .............................................. 3

IX. Community, Culture and Citizenship in the USA
Choose one course from approved list ......................................................... 3

X. Global Dynamics
Choose one course from approved list ......................................................... 3

Subtotal: UK Core hours .......................................................... 34

Graduation Composition and Communication Requirement (GCCR)
HHS 453 Cultural Competence in Healthcare ................................................ 3

Graduation Composition and Communication Requirement hours (GCCR) .... 3

Core Requirements for All HHS Tracks
HHS 101 Survey of Health Professions I ......................................................... 1
HHS 102 Survey of Health Professions II: Shadowing Experience .................. 1
HHS 241 Health and Medical Care Delivery Systems ....................................... 3
HHS 350 Health Policy and Politics .................................................................. 3
HHS 353 Ethics in Healthcare ............................................................................. 3
HHS 356 Seminar in Interprofessional Healthcare: Part 1: Global Context ........ 1
HHS 357 Seminar in Interprofessional Healthcare: Part 2: Community Engagement .......................................................... 1
HHS 361 Healthcare Quality and Patient Safety ............................................... 3
HHS 362 Interdisciplinary Health Advocacy ..................................................... 1
HHS 363 Interdisciplinary Health Advocacy II .................................................. 1
HHS 405 Social and Cultural Evolution of Disease ......................................... 3
HHS 443 Health Information Management ..................................................... 2
HHS 453 Cultural Competence in Healthcare ................................................ 3
HHS 454 Research in Human Health Sciences ................................................ 3
CNU 503 Nutrition for Health Professions ...................................................... 2

Subtotal: HHS Core ............................................................................... 31

Guided Electives (Required by HHS)
BIO 148 Introductory Biology ............................................................................ 3
BIO 152 Principles of Biology ............................................................................ 3
BIO 155 Laboratory for Introductory Biology ................................................... 1
CHE 107 General College Chemistry II ............................................................ 3
CHE 113 General Chemistry II Laboratory ..................................................... 2
CLA 131 Medical Terminology from Greek and Latin ....................................... 3
PHY 211 General Physics .................................................................................. 5

Subtotal: Guided Electives ............................................................................. 20

Pre-Professional Track Course Requirements

Athletic Training Track
ANA 209 Principles of Human Anatomy .......................................................... 3
AT 120 Careers in Athletic Training ................................................................... 1
KHP 190 First Aid and Emergency Care ......................................................... 2
KHP 415 Biomechanics of Human Movement ............................................... 4
KHP 420G Physiology of Exercise ................................................................... 3
PGY 206 Elementary Physiology ....................................................................... 3
Free Electives ................................................................................................. 19

Subtotal: ................................................................................................. 35

Audiology Track
CSD 378 Anatomy and Physiology of Speech ................................................ 3
CSD 402 Speech and Hearing Science ............................................................... 3
CSD 491 Audiology ........................................................................................... 3
CSD 571 Neural Bases of Speech, Language, and Hearing ................................ 3
**College of Health Sciences**

CSD 591 Aural Rehabilitation ......................................... 3
Free Electives ............................................................... 20

**Subtotal:** ...................................................................... 35

**Dentistry Track**

BCH 401G Fundamentals of Biochemistry .......................... 3
BIO 208 Principles of Microbiology ................................. 3
BIO 209 Introductory Microbiology Laboratory .................. 5
or
BIO 308 General Microbiology ............................... 3
BIO 309 Microbiology Laboratory .................................... 5
CHE 230 Organic Chemistry I ......................................... 3
CHE 231 Organic Chemistry Laboratory I ......................... 1
HHS 451 Introduction to Medicine .................................... 2
PGY 206 Elementary Physiology ...................................... 3
PSY 223 Developmental Psychology ............................... 3
Free Electives ............................................................... 12

**Subtotal:** ...................................................................... 35

**Required Courses for the Major**

All HHS degree seeking students are required to complete ten courses totaling 31 credits. These courses provide students with comprehensive knowledge of healthcare and related issues and the initial competencies essential for the profession. Courses have a particular focus on interprofessional healthcare delivery.

**Prerequisite Courses Unique to Each Option**

These courses are consistent with the prerequisite requirements for each option program (Athletic Training, Audiology, Dentistry, Occupational Therapy, Optometry, Pharmacy, Physical Therapy, and Physician Assistant). Students will be advised accordingly to ensure they have met the course requirements for their program of interest.

**Required Core Courses – Non-HHS**

These courses are intended to support students’ preparation in the sciences and better prepare them for healthcare careers or entry into professional degree programs.

**Prerequisite Courses Recommended But Not Required**

The Dentistry, Pharmacy and Physical Therapy options have courses that are recommended, but not required. Students will be encouraged to take these courses, although taking these courses may extend their program. However, students completing the prerequisite recommended courses are traditionally more competitive for admission to future graduate and professional programs.

**Track Related Major Requirements**

The Dentistry and Physician Assistant options require an additional major course. For Dentistry, the course is HHS 450 Introduction to Dentistry (3 credits). For Physician Assistant, the course is HHS 451 Introduction to Medicine (2 credits).

**General Electives**

The University has many courses that add to the students’ course of study. Students will be advised accordingly.

**B.H.S. with a major in**

**MEDICAL LABORATORY SCIENCE**

The undergraduate Medical Laboratory Science (MLS), formally Clinical Laboratory Sciences (CLS) program prepares medical laboratory scientists who perform laboratory tests that aid the diagnosis, prevention, prognosis, and treatment of disease. MLS graduates are employed in a variety of health care settings including hospital and private laboratories, clinics, pharmaceutical companies, research institutions, the armed forces, and public health centers. In addition to performing laboratory tests, MLS graduates can serve as consultants, managers, sales and technical representatives, and educators.

The MLS Program is offered at the Lexington campus and at the Center of Excellence in Rural Health campus in Hazard, Kentucky. Within the MLS Program there are two tracks leading to a B.H.S. with a major in Medical Laboratory Science. The **Traditional Track** is for students who have completed general education courses and have met the program preprofessional requirements. (This includes transfer students and students seeking a second bachelor’s degree.) The **MLT to MLS Track** is only applicable to those who have earned an associate degree from a Medical Laboratory Technician (or Clinical Laboratory Technician) Program. (This track is offered via distance learning.)

**Traditional Track Admission**

The MLS program has selective admissions and students are admitted to the professional program on a competitive basis. Applicants must have completed all UK Core requirements and preprofessional requirements prior to entering the program. In addition, students holding baccalaureate degrees in a health-related science may apply to the MLS program (fulfillment of preprofessional courses is required) and earn a second baccalaureate degree.

Admission is based on cumulative grade-point average (GPA) for all courses taken at institutions of higher education (2.5 or higher on a 4.0 scale), cumulative GPA for preprofessional courses, and recommendation scores. Interviews may also be used in the admissions process. Applicants must submit an application and three recommendation forms.

The application deadline is **March 1** for the Lexington Campus and **May 1** for the Hazard Campus.

**The Curriculum**

A total of 120 credits (including 60 professional program credits, preprofessional credits, UK Core requirements and the Graduation Composition and Communication requirement credits) is required to receive the Bachelor of Health Sciences with a major in MLS degree.

**UK Core Requirements**

See the UK Core section of this Bulletin for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

1. **Intellectual Inquiry in Arts and Creativity**
   - Choose one course from approved list ................................ 3

2. **Intellectual Inquiry in the Humanities**
   - Choose one course from approved list .......................... 3
III. Intellectual Inquiry in the Social Sciences

PSY 100 Introduction to Psychology ................. 4

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences

CHE 105 General College Chemistry I ................. 4
CHE 111 General Chemistry I Laboratory ............ 1

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I .... 3

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II .... 3

VII. Quantitative Foundations

MA 123 Elementary Calculus and its Applications .... 4

VIII. Statistical Inferential Reasoning

STA 296 Statistical Methods and Motivations ......... 3

IX. Community, Culture and Citizenship in the USA

Choose one course from approved list ............... 3

X. Global Dynamics

Choose one course from approved list ............... 3

| Subtotal: UK Core hours | 34 |

Graduation Composition and Communication Requirement (GCCR)

MLS 463 Immunohematology ........................................ 3

MLS 470 Clinical Correlations ..................................... 3

Graduation Composition and Communication Requirement hours (GCCR) .................. 6

Preprofessional Course Requirements

CHE 107 General College Chemistry II ............... 3

CHE 113 General Chemistry II Laboratory .......... 2

BIO 208 Principles of Microbiology .................... 3

BIO 209 Principles of Microbiology Laboratory .... 2

PGY 206 Elementary Physiology ......................... 3

BIO 148 Introductory Biology I or
BIO 152 Principles of Biology II ......................... 3

BIO 155 Laboratory for Introductory Biology I .... 1

CHE 230 Organic Chemistry I ............................. 3

CHE 231 Organic Chemistry Laboratory ............... 1

STA 296 Statistical Methods and Motivations ......... 3

| Subtotal: Premajor Course hours | 24 |

Professional Course Requirements

MLS 400 Laboratory Techniques and Phlebotomy ...... 2

MLS 410 Medical Laboratory Biochemistry ............ 3

MLS 420 Clinical Immunology and Serology ............. 3

MLS 430 Clinical Mycology and Parasitology ........... 2

MLS 440 Molecular Techniques ............................... 3

MLS 450 MLS Education and Management .............. 3

MLS 460 Clinical Hematology .................................... 3

MLS 461 Clinical Hematology Laboratory ............... 2

MLS 462 Clinical Microbiology .................................. 2

MLS 467 Clinical Chemistry Laboratory ................. 2

MLS 468 Clinical Chemistry ...................................... 3

MLS 481 Clinical Microbiology Practicum .............. 4

MLS 483 Immunohematology Practicum .................. 4

| Subtotal: Professional Course hours | 60 |

Upon successful completion of the professional program, all students are eligible for the national certifying exam.

MLT to MLS Track

The MLT to MLS track (bridge) is an online program only available to those who have an associate degree from a medical laboratory technician (MLT) program.

Admission

Early academic advising for this track is crucial and is available from Allison Burton at: arrich2@uky.edu and Marcus T. Epps at: Marcus.Epps@uky.edu.

The MLS Program has selective admissions and students are admitted to the professional program on a competitive basis. Applicants must have completed all UK Core requirements and preprofessional requirements prior to entering the program. Admission requirements include: cumulative grade-point average (GPA) for all courses taken at institutions of higher education of 2.5 or higher on a 4.0 scale, successful completion of all preprofessional courses, an associate degree from a MLT/CLT program, and certification (BOC preferred) or documentation of five years of work experience in a MLT position within a multidisciplinary laboratory, and current employment in a clinical laboratory that offers testing in all major disciplines. Admission is based on GPA, cumulative GPA for preprofessional courses, and recommendation scores. Interviews may also be used in the admissions process. Applicants must submit an application, three recommendation forms, official transcripts, resume, and documentation of MLT/CLT program completion.

The application deadline is June 1.

The Curriculum

A total of 120 credits (including 40-48 preprofessional program credits, preprofessional credits, UK core requirements, and the Graduation Composition and Communication Requirement) is required to receive the Bachelor of Health Sciences with a major in MLS degree.

UK Core Requirements

UK Core Requirements are the same as those listed above under the Traditional Track heading.

Graduation Composition and Communication Requirement (GCCR)

MLS 463 Immunohematology .................................... 3

MLS 470 Clinical Correlations .................................. 3

Graduation Composition and Communication Requirement hours (GCCR) .............. 6

Preprofessional Course Requirements

CHE 107 General College Chemistry II ............... 3

CHE 113 General Chemistry II Laboratory .......... 2

PGY 206 Elementary Physiology ......................... 3

BIO 148 Introductory Biology I or
BIO 152 Principles of Biology II ......................... 3

BIO 155 Laboratory for Introductory Biology I .... 1

CHE 230 Organic Chemistry I ............................. 3

CHE 231 Organic Chemistry Laboratory ............... 1

| Subtotal: Professional Course hours | 19 |

Professional Course Requirements

MLS 410 Medical Biochemistry .............................. 3

MLS 420 Clinical Immunology and Serology ............. 3

MLS 430 Clinical Mycology and Parasitology .......... 2

MLS 440 Molecular Techniques ............................... 3

MLS 450 MLS Education and Management .............. 3

MLS 460 Clinical Hematology .................................... 3

MLS 461 Clinical Hematology Laboratory ............... 2

MLS 462 Clinical Microbiology .................................. 2

MLS 467 Clinical Chemistry Laboratory ................. 2

MLS 468 Clinical Chemistry ...................................... 3

MLS 481 Clinical Microbiology Practicum .............. 4

MLS 483 Immunohematology Practicum .................. 4

| Subtotal: Professional Course hours | 40-48 |

For additional information, refer to: www.uky.edu/chs/mls.

Or contact:

Michelle Butina, Ph.D., MLS (ASCP)
MLS Program Director
900 S. Limestone Street
126E CTW Building
Lexington, KY 40536-0200
(859) 218-0852
michelle.butina@uky.edu

or

Allison Burton
Academic Advisor
(859) 218-0546
arrich2@uky.edu

or

Marcus T. Epps
Academic Advisor
(859) 218-0491
Marcus.Epps@uky.edu

Minor in Health Advocacy

The minor in Health Advocacy educates students to serve as patient advocates to improve health and health care and help patients access an increasingly complex medical system.

The minor in Health Advocacy requires 18-19 hours:

| Minor Prerequisites |
| HHS 101 Survey of Health Professions I ............. 1 |
| HHS 102 Survey of Health Professions II: Shading Experience .......... 1 |

| Minor Requirements |
| HHS 241 Health and Medical Care Delivery Systems .......... 3 |
| HHS 350 Health Policy and Politics ...................... 3 |
| HHS 353 Ethics in Healthcare ................................ 3 |
| HHS 453 Cultural Competence in Healthcare .............. 3 |
| HHS 354 Health Law ........................................ 3 |
| HHS 362 Interdisciplinary Health Advocacy ............... 1 |
| CNU 500 Integrative Care for Health Sciences .......... 1-3 |
College of Health Sciences

Minor Electives
HHS 356 Seminar in Interprofessional Healthcare .......... 3
HHS 361 Healthcare Quality and Patient Safety .......... 3
CNU 303 Nutrition for Health Professions ............... 1-2
HHS 405 Social and Cultural Evolution of Disease ....... 3
CLM 452 Community and Institutional Planning for Health Services Delivery ............................. 3

*Students enrolling in this course should enroll for 2 credit hours.

Certificate in Undergraduate Research in Human Health Sciences

The Office of Research in the College of Health Sciences in collaboration with The Departments of Rehabilitation Sciences and Clinical Sciences offers an undergraduate certificate in Undergraduate Research in Human Health Sciences. This certificate will enhance the educational goals of any University of Kentucky student interested in obtaining experience in health-related research to benefit the pursuit of a health care career.

Admissions Criteria

The admissions criteria for the proposed certificate are as follows:

- a minimum second semester freshman
- 3.0 GPA
- a statement from a CHS faculty research mentor willing to work with the student
- an application submitted through the Office of Student Affairs

Before beginning, all students accepted into the certificate program will be required to:

- register with the UK Office of Undergraduate Research
- complete research ethics education as directed by their mentor
- complete web-based biosafety modules as directed by their mentor

Required Courses

A total of 12-15 credit hours is required for the certificate. All required courses for the certificate must be completed with an overall GPA of 3.0 or better and each course within the certificate must be completed with at least a C or better. Courses are described below and can be adapted to accommodate students enrolled in the Honors Program as requested:

HHS 454 Research in Human Health Sciences ............... 3

This course provides an introduction to basic methods for undertaking research on issues related to health, health care, and within health services organizations and systems.

HHS 455 Research Experience in Human Health Sciences ............... 6-9*

HHS 455 provides the student with the opportunity to engage in independent work devoted to research on a specific problem with the goal to challenge the student to synthesize concepts from his/her total program and relate them to his/her specific field of research interest. Students work under the direction of a faculty mentor in an area of mutual scientific interest. Student and mentor collaborate to develop a research contract that outlines the expectations of the research experience including: a description of the experience with goals and objectives, tasks for completing the objectives with timelines, and criteria, with percentages, for assessment. Students seeking the UGR certificate will complete, as part of one of their HHS 455 contracts, either (1) a presentation to a local targeted group (e.g. CHS Research Day), (2) poster preparation for national/international conference, or (3) manuscript development/writing with mentor. Additional activities expected of certificate holders could include participation in the mentor’s lab group/journal club or IRB/IACUC preparation.

*If a student comes from another academic unit with research experience, the mentor can agree to have 3 credit hours count toward the 6-9 credit hours of research experience required for the certificate. In addition, students could elect to complete this requirement under the direction of different mentors as long as they demonstrate this is justified for their scientific field of interest.

Mentor/student selected course work ........................................ 3

(i.e. content specific to area of research) – 300 level or above

Student and mentor will collaborate to select an out-of-discipline course to meet this requirement of the certificate program. The course could come from any program on the UK campus with the caveat that the content of the course be specific to the student’s scientific field of interest. For example, a student with a major in communication sciences and disorders interested in the effects of preterm birth on family stress might take a selected course in sociology (A&S), psychology (A&S), or health care navigation (HHS). A student interested in an aspect of aging muscle might take a course in gerontology (GRN) or public health (CPH). The connection between the selected course and its application to the area of research would be clearly linked in the agreement between the student and faculty mentor. In considering course options, the student/mentor would obtain any necessary instructor consent prior to student enrollment.

Undergraduate Certificate in Nutrition for Human Performance

The Nutrition for Human Performance Certificate is a 14 credit hour program combining courses from HHS, DHN and KHP. The practice area of Nutrition for Human Performance continues to grow and has sparked interest among students pursuing undergraduate degrees in not only nutrition, but also kinesiology and health promotion and human health sciences (e.g., pre-medicine, pre-physical therapy, pre-physician assistant studies). Nutrition for Human Performance focuses on the integration of nutrition and exercise to properly support physical activity, fitness, and athletic performance at all levels, from those just starting an exercise program, to elite athletes, and those recovering from injury. The Certificate in Nutrition for Human Performance also provides students with cross-disciplinary knowledge of the relationship between exercise physiology, nutrition, and overall wellness.

This certificate provides a unique opportunity to expand student knowledge in an area not traditionally, or adequately, addressed in each individual degree program. For students in dietetics and human nutrition, the certificate would provide specialized knowledge that would immediately make graduates more competitive at securing a supervised internship and/or employment (e.g., as a Registered Dietitian Nutrition (RDN) interested in professional certification as a specialist in sports nutrition). For students in human health sciences, the certificate would provide basic knowledge to make them a more well-rounded candidate for professional school. For students in kinesiology and health promotion, the certificate would provide additional knowledge of the role of diet on health, wellness, and injury recovery.

At this time, it is not necessary to obtain a minor and, in fact, a minor is not offered at the University of Kentucky that addresses these needs. As well, there are no health-related interdisciplinary/cross-disciplinary certificate programs currently available to undergraduate students at UK and this certificate would be of interest to students in at least three colleges.

In addition, the HHS degree serves as a pre-professional undergraduate degree for students who aspire to careers in health care, such as dentistry, pharmacy, physician assistant studies, athletic training, and physical therapy. The program offers an interprofessional education with broad exposure to health care practices, policies and management. The Nutrition for Human Performance certificate enhances the value of the HHS degree by addressing a weakness found in many pre-health professions baccalaureate programs: absent to minimal nutrition and exercise education for healthcare professionals.

This certificate provides a unique opportunity to provide students with a better understanding and appreciation for how nutrition impacts athletic performance and the role of diet and exercise in disease prevention. Nationwide, this opportunity is not offered in most traditional pre-health professions programs (e.g., biology, chemistry) or only offered as separate entities with limited exposure (e.g., one class in kinesiology or basic nutrition). The certificate program will be available to any student in good academic standing (minimum GPA 3.0) that has an interest obtaining undergraduate knowledge of Nutrition for Human Performance and meets all prerequisites for the required courses (GPA minimum 3.0, must have completed a 100- or 200-level basic nutrition course (e.g., DHN 101: Human Nutrition and Wellness or DHN 212: Introductory Nutrition), a 200-level physiology course (e.g., PGY 206) and be classified as a sophomore, junior, or senior undergraduate student or post-baccalaureate student.

DHN 315 Nutrition Issues in Physical Activity or
KHP 240 Nutrition and Physical Fitness ...................... 3
Choose one course from approved list ............................ 3

II. Intellectual Inquiry in the Humanities

Choose one course from approved list ............................ 3

fulfill UK Core areas. Students should work closely with their

recommended by the college, or (b) required courses that also

The courses listed below are (a)

line is

based experience. New students are admitted

three letters of recommendation, letter of applica-

competitive basis. Admission is based on cumula-

program has selective admissions. Applicants

Admission to the Professional Program

The Communication Sciences and Disorders

In keeping with the standards of the American

of completion of 42 credit hours at the time of

Admission to the Professional Program

The Communication Sciences and Disorders

program has selective admissions. Applicants

must have completed a minimum of 42 credit

hours at the time of application. Students are

admitted to the pre-professional program on a

basis. Admission is based on cumulative

grade-point average, ACT or SAT scores, three

letters of recommendation, letter of applica-

on, and quality of professional and community-

based experience. New students are admitted

only for the fall semester. The application dead-

dline is February 1.

UK Core Requirements

See the UK Core section of this Bulletin for the complete

UK Core requirements. The courses listed below are (a)

recommended by the college, or (b) required courses that also

fulfill UK Core areas. Students should work closely with their

advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list ............................ 3

II. Intellectual Inquiry in the Humanities

Choose one course from approved list ............................ 3

III. Intellectual Inquiry in the Social Sciences

PSY 100 Introduction to Psychology ............................... 4

IV. Intellectual Inquiry in the Natural, Physical, and

Mathematical Sciences

BIO 102 Human Ecology

or

BIO 103 Basic Ideas of Biology

or

other BIO course from approved list ....................... 3

or

CHE 101 Molecular Science for Engineers ................. 3

or

CHE 105 General College Chemistry I

CHE 111 General Chemistry I Laboratory ............... 5

or

PHY 211 General Physics ........................................... 5

or

PHY 231 General University Physics ....................... 4

or

PHY 241 General University Physics Laboratory ....... 1

or

other CHE or PHY course from approved list ........... 3

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I ....... 3

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II ....... 3

VII. Quantitative Foundations

one of the following:

MA 111 Introduction to Contemporary Mathematics

MA 113 Calculus I

MA 123 Elementary Calculus and its Applications

MA 137 Calculus I With Life Science Applications .... 3-4

VIII. Statistical Inferential Reasoning

STA 210 Making Sense of Uncertainty:

An Introduction to Statistical Reasoning ................... 3

or

PSY 215 Experimental Psychology

and

PSY 216 Applications of Statistics in Psychology .......... 8

or

other STA course from approved list ....................... 3

IX. Community, Culture and Citizenship in the USA

Recommended:

EPE 301 Education in American Culture ................... 3

X. Global Dynamics

Choose one course from approved list ....................... 3

UK Core hours .................................................. minimum of 32

Graduation Composition and Communication Requirement (GCCR)

CSD 378 Anatomy and Physiology of Speech ............... 3

CSD 402 Speech and Hearing Science ....................... 3

CSD 591 Aural Rehabilitation .................................... 3

Graduation Composition and Communication Requirement hours (GCCR) .................. 9

Premajor Requirements

Hours

*CSD 277 Introduction to Communication Disorders .... 3

*CSD 285 Applied Phonetics ..................................... 3

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

Choose one of the following:

LIN 211 Introduction to the Study of Language

LIN 212 Introduction to Linguistics II

**LIN 221 Introduction to Linguistics I:

Theoretical Foundations and Analysis

LIN 310 American English

LIN 317 Language and Society (Subtitle required)

LIN 509 Formal Semantics

Subtotal: Related Studies hours ................. 3

Major Requirements

Hours

*CSD 277 Introduction to Communication Disorders .... 3

*CSD 285 Applied Phonetics ..................................... 3

*CSD 378 Anatomy and Physiology of Speech ............... 3

*CSD 402 Speech and Hearing Science ....................... 3

CSD 410 Language Development

Through the Lifespan ............................................. 3

CSD 481 Clinical Experience in Communication Disorders .................. 3

CSD 482 Clinical Management of Communication Disorders I .................. 3

CSD 483 Clinical Management of Communication Disorders II ............ 3

CSD 484 Introduction to Diagnostic Procedures in Speech-Language Pathology .................. 3

CSD 491 Audiology ................................................. 3

CSD 571 Neural Bases of Speech, Language, and Hearing ............... 3

†CSD 591 Aural Rehabilitation .................................... 3

EDS 375 Introduction to Education of Exceptional Children .................. 3

EDS 516 Principles of Behavior Management and Instruction .................. 3

***EDP 202 Human Development and Learning .................. 3

***EPE 301 Education in American Culture .................. 3

Subtotal: Major hours .................. 42

*Must be taken to partially fulfill the GCCR requirement.

†Must be taken as a pre-CSD course prior to the junior year.

**LIN 221 is the preferred and recommended course to fulfill this requirement.

***These courses are optional for CSD majors, but are strongly recommended.

Electives

Electives should be chosen by the student to lead to the minimum total of 120 hours required for graduation.

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

Curriculum

Senior Year

Fall Semester

CSD 378 Anatomy and Physiology of Speech .................. 3

*EDS 375 Introduction to Education of Exceptional Children .................. 3

*EDS 516 Principles of Behavior Management and Instruction .................. 3

Spring Semester

CSD 402 Speech and Hearing Science ....................... 3

CSD 484 Introduction to Diagnostic Procedures in Speech-Language Pathology .................. 3

Fall Semester

***CSD 481 Clinical Experience in Communication Disorders .................. 3

CSD 482 Clinical Management of Communication Disorders I .................. 3

CSD 491 Audiology ................................................. 3

CSD 571 Neural Bases of Speech, Language, and Hearing .................. 3

Senior Year

Spring Semester

CSD 410 Language Development

Through the Lifespan ............................................. 3

**CSD 481 Clinical Experience in Communication Disorders .................. 3

CSD 483 Clinical Management of Communication Disorders II ............ 3

CSD 591 Aural Rehabilitation .................................... 3
The undergraduate certificate in clinical healthcare management is comprised of four 3-hour courses:

- **CLM 241 Health and Medical Care Delivery Systems**
- **CLM 351 Health Services Administration**
- **CLM 355 Financial Management of Health Care Institutions**
- plus one of the following:
  - **CLM 350 Health Policy and Politics**
  - **CLM 354 Health Law**
  - **CLM 405 Social and Cultural Evolution of Disease**
  - **CLM 444 Leadership and Human Resource Management**
  - **CLM 445 Quality and Productivity Improvement and Evaluation**
  - **CLM 452 Community and Institutional Planning**
  - **CLM 453 Ethics in Healthcare**

Curriculum for Currently Enrolled Students

The undergraduate certificate in clinical healthcare management is comprised of four 3-hour courses:

- **CLM 241 Health and Medical Care Delivery Systems**
- **CLM 351 Health Services Administration**
- **CLM 355 Financial Management of Health Care Institutions**
- **CLM 350 Health Policy and Politics**

plus one of the following:

- **CLM 354 Health Law**
- **CLM 405 Social and Cultural Evolution of Disease**
- **CLM 444 Leadership and Human Resource Management**
- **CLM 445 Quality and Productivity Improvement and Evaluation**
- **CLM 452 Community and Institutional Planning**
- **CLM 453 Ethics in Healthcare**

Curriculum for Post-Baccalaureate Students

The undergraduate certificate in clinical healthcare management is comprised of four 3-hour courses:

- **CLM 351 Health Services Administration**
- **CLM 355 Financial Management of Health Care Institutions**
- **HHS 395 Independent Study**
- plus one of the following:
  - **HHS 350 Health Policy and Politics**
  - **CLM 354 Health Law**
  - **CLM 405 Social and Cultural Evolution of Disease**
  - **CLM 444 Leadership and Human Resource Management**
  - **CLM 445 Quality and Productivity Improvement and Evaluation**

For more information, contact the Division of Clinical Leadership and Management within the Department of Clinical Sciences.

GRADUATE DEGREES IN HEALTH SCIENCES

Master of Science in Athletic Training

The Master of Science in Athletic Training (AT) is designed to accommodate both Board of Certification (BOC) athletic trainers and BOC “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:

- **Phillip Gribble, Ph.D., ATC, FNATA, Director**
  - Charles Wethington, Jr. Building, Room 206C
  - 900 South Limestone
  - University of Kentucky
  - Lexington, KY 40536-0200
  - (859) 218-0885
  - email: phillip.gribble@uky.edu
  - www.uky.edu/chs/at

Master of Science in Communication Sciences and Disorders

The Master of Science in Communication Sciences and Disorders is designed for students seeking entry-level professional preparation in speech-language pathology. Any student without an undergraduate major or equivalent in Communication Sciences and Disorders should apply as a prerequisite student 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:

- **Anne Olson, Ph.D.**
  - Director of Graduate Studies
  - Division of Communication Sciences and Disorders
  - 900 S. Limestone St., Room 124J
  - University of Kentucky
  - Lexington, KY 40536-0200
  - (859) 218-0572
  - aolson2@uky.edu
  - www.uky.edu/healthsciences/academic-programs/communication-sciences-and-disorders
Prerequisite Courses for Physician Assistant Studies*

A C grade or better must be earned in the following prerequisite courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Requirement</th>
<th>UK Equivalencies</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Chemistry I</td>
<td>1 semester + lab</td>
<td>CHE 105 &amp; 111</td>
</tr>
<tr>
<td>General Chemistry II</td>
<td>1 semester + lab</td>
<td>CHE 107 &amp; 113</td>
</tr>
<tr>
<td>Organic Chemistry</td>
<td>1 semester + lab</td>
<td>CHE 230 &amp; 231 or CHE 232 &amp; 233</td>
</tr>
<tr>
<td>Human Anatomy</td>
<td>1 semester (3 hours)</td>
<td>ANA 209</td>
</tr>
<tr>
<td>Human Anatomy/Physiology</td>
<td>1 semester (4 hours)</td>
<td>PGY 206</td>
</tr>
<tr>
<td>Human Physiology</td>
<td>1 semester (3 hours)</td>
<td>BIO 148/152 &amp; 155, or 150 &amp; 151, or 152 &amp; 153</td>
</tr>
<tr>
<td>Human Anatomy/Physiology</td>
<td>1 semester (4 hours)</td>
<td>BIO 208/308 &amp; BIO 209</td>
</tr>
<tr>
<td>General Animal Biology</td>
<td>1 semester + lab</td>
<td>BIO 291, 296 or PSY 216</td>
</tr>
<tr>
<td>Anthropology</td>
<td>1 semester</td>
<td>PSY 100</td>
</tr>
<tr>
<td>Anthropology/Physiology</td>
<td>any anthropology (3 hours)</td>
<td>any sociology (3 hours)</td>
</tr>
<tr>
<td>Medical Terminology</td>
<td>1 semester</td>
<td>CLA 131</td>
</tr>
</tbody>
</table>

*For more detailed information on prerequisites and course equivalencies, please visit the program Web site: www.uky.edu/healthsciences/academic-programs/physician-assistant-studies/admissions.

Certification and the Master's Degree

The Master of Science degree program in Communication Sciences and Disorders is accredited by the Council on Academic Accreditation of the American Speech-Language-Hearing Association.

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSD 621 Alternative and Augmentive Communication</td>
<td>3</td>
</tr>
<tr>
<td>CSD 647 Language Disorders in Developmentally Young Individuals</td>
<td>3</td>
</tr>
<tr>
<td>CSD 648 Language Disorders in School-Age Populations</td>
<td>3</td>
</tr>
<tr>
<td>CSD 661 Phonological Development and Disorders</td>
<td>3</td>
</tr>
<tr>
<td>CSD 670 Voice Disorders</td>
<td>3</td>
</tr>
<tr>
<td>CSD 675 Low Incidence Communication Disorders (Subtitle required)</td>
<td>3</td>
</tr>
<tr>
<td>CSD 677 Aphasia and Related Disorders</td>
<td>3</td>
</tr>
<tr>
<td>CSD 701 Research Methods in Communication Disorders</td>
<td>3</td>
</tr>
<tr>
<td>CSD 710 Cognitive Communication Disorders</td>
<td>3</td>
</tr>
<tr>
<td>CSD 744 Adult Swallowing and Motor Speech Disorders</td>
<td>3</td>
</tr>
<tr>
<td>CSD 745 Pediatric Feeding and Motor Speech Disorders</td>
<td>3</td>
</tr>
<tr>
<td>Total Credit Hours</td>
<td>33</td>
</tr>
</tbody>
</table>

The M.S. in Communication and Sciences Disorders consists of 33 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 1 hour of graduate-level electives, and optional 1-6 hours in thesis or comprehensive exams:

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

Students completing the thesis option also complete the following:

- CSD 748 Master’s Thesis Research | 0
- CSD 768 Residence Credit for the Master’s Degree | 1-6

Master of Science in Nutritional Sciences

The program is designed to develop nutrition specialists, knowledgeable in the metabolic changes that occur in normal exercise and various pathophysiologic states. Opportunities for specializations are available in the areas of clinical nutrition/medical nutrition therapy, wellness and sports nutrition, molecular and biomedical nutrition, and community nutrition. Clinical Nutrition is integrated with the doctoral program in the Graduate Center for Nutritional Sciences.
The Center of Excellence in Rural Health, Doctor of Physical Therapy

In 1992, the College of Health Sciences initiated an expansion program in physical therapy based at the Center of Excellence in Rural Health in Hazard, Kentucky. This professional program is conducted in parallel with the Lexington campus program.

For more information about the Physical Therapy program at the Hazard location, contact:

Student Services Coordinator
UK Center of Excellence in Rural Health
Office B 480
750 Morton Blvd.
Hazard, KY 41701
(606) 439-3557 ext. 8-3508
1-800-851-7512 ext. 8-3508

Master of Science in Physician Assistant Studies

The University of Kentucky, Division of Physician Assistant Studies (PAS) offers a Plan B, non-thesis, master’s degree program that is accredited by the Accreditation Review Commission on Education for the Physician Assistant (ARC-PA). The Master of Science in Physician Assistant Studies (M.S.P.A.S.) program is designed for students who wish to become Physician Assistants (PAs) and hold a baccalaureate or will have earned a baccalaureate degree by the time they enter the program. The M.S.P.A.S. program is offered in Lexington at the University of Kentucky and in Morehead, KY, located at the Center for Health Education & Research (CHER). The goal of the M.S.P.A.S. program is to develop well-educated and highly skilled primary care PAs who will extend the physician’s effectiveness and improve access to health care. The PA functions under the supervision and responsibility of a licensed physician and is competent to elicit comprehensive health histories, perform physical examinations, interpret and evaluate diagnostic data, establish treatment plans, counsel and educate, and respond appropriately to commonly encountered emergency care situations. Physician Assistants serve in a variety of health care settings, such as primary care practices, subspecialty clinics, inpatient hospitals, and community-based clinics. The M.S.P.A.S. program also prepares graduates to be competitive for positions in clinical research, health care administration and higher education. Graduates of the program are eligible to take the Physician Assistant National Certifying Examination. After successful completion of the National Commission on Certification of Physician Assistants Exam, graduates are eligible for state certification/licensure to practice as certified PAs.

Admission Requirements

Admission to the M.S.P.A.S. program occurs annually, with a new class beginning each January. Qualified applicants must simultaneously apply to the University of Kentucky Graduate School, [http://gradschool.uky.edu/](http://gradschool.uky.edu/), as well as the Central Application Service for Physician Assistants (CASPA): [https://caspa.liaisoncas.com/applicant-ux/#/login](https://caspa.liaisoncas.com/applicant-ux/#/login)

Students must satisfy admissions requirements to both the Graduate School and the Physician Assistant Studies (PAS) Program. PAS practices holistic admissions. As part of this process, students must submit the following:

- Applicants to the PAS Program must complete the Graduate Record Examination (GRE). Minimum scores for the new GRE must meet the minimum academic requirements for the Graduate School. The UK GRE code is 1837 and all official scores must be sent to the University of Kentucky Graduate School Office.
- International students and domestic students who attended a high school in which English was not the primary language of instruction must achieve a minimum of 26 in each category on the TOEFL iBT exam. In addition to the TOEFL iBT requirement, international students must also complete the GRE.
- Applicants must hold a baccalaureate degree from an accredited college or university (or have earned a baccalaureate degree by the time of entry into the program).
- Applicants may only have two outstanding prerequisites at the time of application. These courses must be completed by August 8, prior to the beginning of the program.
- Three (3) letters of recommendation are required from people acquainted with the applicant for at least one year and familiar with his/her professional goals and must be submitted with the CASPA application packet, along with an admission essay.
- The UKPAS Program prefers to have one recommendation from a physician assistant or physician, one from an academic advisor or professor and one from either a PA, physician, other healthcare professional, or academic professor/advisor.
- The admission essay must be of graduate quality that reflects the applicant’s commitment to primary care.
- The applicant must be certified in Basic Life Support for Healthcare Providers by the American Heart Association.
- Be in compliance with the Technical Standards established by the College of Health Sciences and the PAS Program.
- Health care experience is required and deemed beneficial to students entering the PAS Program. The program strongly recommends applicants to complete shadowing or observation hours with a Physician Assistant to gain knowledge and understanding of the profession. The average shadowing hours for selected students is 100 shadowing hours.
- Additionally, applicants must have direct patient care experience. It is highly recommended that patient contact hours be obtained in a formally trained medical discipline (as a registered nurse, certified nursing assistant, emergency technician, certified medical assistant, etc.).
- Volunteer hours are desired. The program looks for direct and indirect service.

Due to the competitive nature and large number of students applying to the program, meeting the minimum requirements does not guarantee an interview or admissions.

Please see the Web site at: [www.uky.edu/healthsciences/academicprograms/physician-assistant-studies](http://www.uky.edu/healthsciences/academicprograms/physician-assistant-studies) for the application deadline. Generally, the application is due mid-July. If you have questions after visiting our Web site and attending an information session, contact:

Alison Burton
Student Affairs Officer
Office of Admissions and Student Affairs
College of Health Sciences
900 S. Limestone
111 Charles T. Wethington Building
Lexington, KY 40536-0200
(859) 218-0546
arrich2@uky.edu
or
Marcus T. Epps
Student Affairs Officer
Office of Admissions and Student Affairs
College of Health Sciences
111 Charles T. Wethington Building
Lexington, KY 40536-0200
(859) 218-0491
Marcus.Epps@uky.edu
or
Julia Berry
Student Affairs Officer
Physician Assistant Program
Lexington Campus Location:
Charles T. Wethington, Jr. Building, Room 205
Lexington, KY 40536-0200
(859) 217-5001
Morehead Campus Location:
Center for Health Education and Research, Room 202A
Morehead, KY 40351
(606) 783-2558
www.uky.edu/healthsciences/academicprograms

Physician Assistant Program – Morehead, Kentucky

The College of Health Sciences offers an extension of the UK Physician Assistant Studies Program in Morehead, Kentucky. Located at the Center for Health Education & Research (CHER), this campus is a unique collaboration with Morehead State University (MSU) and St. Claire Regional Medical Center (SCRMC). The requirements for admission are the same as in the curriculum. The purpose of the Morehead site is to enhance medical care for rural areas of Kentucky and Appalachia. For information on eligibility requirements and applications, please contact:

Julia Berry
Student Affairs Officer
Physician Assistant Program

Lexington Campus Location:
Charles T. Wethington, Jr. Building, Room 205
Lexington, KY 40536-0200
(859) 217-5001

Morehead Campus Location:
Center for Health Education and Research, Room 202A
Morehead, KY 40351
(606) 783-2558
www.uky.edu/healthsciences/academicprograms/physician-assistant-studies

The Physician Assistant Program is linked with Graduate Certificates in Gerontology and Global Health.