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.

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.

Graduate, Professional and Undergraduate Programs in Health Sciences

All students within the College of Health Sciences must adhere to the Health Care Colleges Code of Student Professional Conduct, as well as the UK Student Code of Conduct. The Health Care Colleges Code of Student Professional Conduct is online at: www.uky.edu/Provost/APVA/Policy_Protocol/HCCSPBC.pdf

Undergraduate Programs in Health Sciences

The University of Kentucky grants the following degrees in the College of Health Sciences:
- Bachelor of Health Sciences
- Bachelor of Science

Students pursuing the Bachelor of Health Sciences select from these majors: Clinical Leadership and Management, Communication Sciences and Disorders, and Medical Laboratory Science. The College also offers a Bachelor of Science with a major in Human Health Sciences.

The College of Health Sciences offers a minor in Health Advocacy.

Undergraduate Certificate in Health Sciences

The University of Kentucky grants the following undergraduate certificates in the College of Health Sciences:
- Clinical Health Management (see page 283)
- Nutrition for Human Performance (see page 282)
- Research in Human Health Sciences (see page 281)

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 human health sciences 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 Clinical Leadership and Management (Track A), 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. Students applying to the Clinical Leadership Program (Track B) need only apply to the University of Kentucky. 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

<table>
<thead>
<tr>
<th>APPLICATION DEADLINES FOR UNDERGRADUATE PROGRAMS IN HEALTH SCIENCES</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Professional Program Applicants</strong> (Students who have completed prerequisites at UK, community colleges, or other accredited colleges or universities)</td>
</tr>
<tr>
<td>Applications are available on the program Web site (see below):</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Clinical Leadership and Management</td>
</tr>
<tr>
<td><a href="http://www.uky.edu/chs/clm">www.uky.edu/chs/clm</a></td>
</tr>
<tr>
<td>Communication Sciences and Disorders</td>
</tr>
<tr>
<td><a href="http://www.uky.edu/chs/csd">www.uky.edu/chs/csd</a></td>
</tr>
<tr>
<td>Human Health Sciences</td>
</tr>
<tr>
<td><a href="http://www.uky.edu/chs/hhs">www.uky.edu/chs/hhs</a></td>
</tr>
<tr>
<td>Medical Laboratory Science</td>
</tr>
<tr>
<td>Traditional Track</td>
</tr>
<tr>
<td><a href="http://www.uky.edu/chs/mls">www.uky.edu/chs/mls</a></td>
</tr>
<tr>
<td>MLT to MLS Track</td>
</tr>
<tr>
<td>MLT to MLS Track</td>
</tr>
</tbody>
</table>

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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 Human Health Sciences where freshmen gain entry through a selective admissions process during their first semester. Transfer students into Human Health Sciences must complete prerequisites prior to application.

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

Communication Sciences and Disorders  
www.uky.edu/chs/csd

Human Health Sciences  
www.uky.edu/chs/hhs

Medical Laboratory Science  
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 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  
201 Gillis Building  
University of Kentucky  
Lexington, KY 40506-0033  
(859) 257-4613  
fax: (859) 323-5986  
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 professional students in the College of Health Sciences appear under Academic Requirements in the front section of this Bulletin.

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 Web site.

For academic advising, contact:

Rebecca Serrano  
Academic Advisor  
(859) 218-0864  
rebecca.serrano@uky.edu  
or  
Jimmie L. Jones  
Academic Advisor  
(859) 218-0546  
jimmie.jr2@uky.edu  
or  
Casey Shadix  
Recruiter  
(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 Sciences (B.H.S.) degree. The purpose of the program is to provide 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 intended for health care professionals who have an associate degree in a health related discipline (Track A) or entry level students (Track B). 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. The program provides accessible course offerings for non-traditional students who may require part-time classes.

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. Program graduates may also benefit their employers, health care facility, and patients.

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 I or Summer II, the deadline is February 15. For transfer students and readmitted students applying for admission for Summer I, the deadline is April 15. For transfer students and readmitted students applying for admission for Summer II, the deadline is May 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:

Rebecca Serrano  
Academic Advisor  
(859) 218-0864  
rebecca.serrano@uky.edu  
or  
Jimmie L. Jones  
(859) 218-0546  
jimmie.jr2@uky.edu  
or  
Casey Shadix  
(859) 218-0573  
casey.shadix@uky.edu
College of Health Sciences

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 Program Director or student advisor. For additional information about program content, email Professor Bruckner at: gbruckner@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.

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

**Track A – Associate Degree Track**

The Curriculum

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

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

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

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

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

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

7. Quantitative Foundations
    - Choose one course from approved list .......................... 3

8. Statistical Inferential Reasoning
    - Choose one course from approved list .......................... 3

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

10. Global Dynamics
    - Choose one course from approved list .......................... 3

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

**Graduation Composition and Communication Requirement (GCCR)**

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

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

**Premajor Requirements**

WRD 205 Writing and Rhetoric (Subtitle required) or equivalent graduation composition and communication requirement course ........................................ 3

Fully Certified Associate Degree in a Health Care discipline and minimum 1 year work experience

OR

Block Certified Associate Degree in a Health Care discipline, minimum of 1 year work experience

Completion of missing UK Core Requirements

**Core Curriculum**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLM 241</td>
<td>Health and Medical Care Delivery Systems</td>
<td>3</td>
</tr>
<tr>
<td>CLM 350</td>
<td>Health Policy and Politics</td>
<td>3</td>
</tr>
<tr>
<td>CLM 405</td>
<td>Epidemiology and Biostatistics</td>
<td>3</td>
</tr>
<tr>
<td>CLM 351</td>
<td>Health Services Administration</td>
<td>3</td>
</tr>
<tr>
<td>CLM 354</td>
<td>Health Law</td>
<td>3</td>
</tr>
<tr>
<td>CLM 355</td>
<td>Financial Management of Health Care Institutions</td>
<td>3</td>
</tr>
<tr>
<td>CLM 452</td>
<td>Community and Institutional Planning for Health Services Delivery</td>
<td>3</td>
</tr>
<tr>
<td>CLM 444</td>
<td>Leadership and Human Resource Management</td>
<td>3</td>
</tr>
<tr>
<td>CLM 445</td>
<td>Quality and Productivity Improvement and Evaluation</td>
<td>3</td>
</tr>
<tr>
<td>CLM 353</td>
<td>Ethics in Healthcare</td>
<td>2</td>
</tr>
<tr>
<td>HSE 595</td>
<td>Directed Studies</td>
<td>4</td>
</tr>
<tr>
<td>Upper-Division Electives</td>
<td>(from selective list below)</td>
<td>6</td>
</tr>
<tr>
<td>Free Electives</td>
<td></td>
<td>14</td>
</tr>
</tbody>
</table>

*Capstone Project*

**Selective Course Options**

Select 6 hours from the following:

- HHS 443 Health Information Management .................................. 2
- HHS 453 Cultural Competence in Healthcare .................................. 3
- COM 471 Introduction to Health Communication .................................. 3
- COM 571 Interpersonal Communication in Health Contexts .................. 3
- CNU 302 Obesity C2C: Cell to Community (Subtitle required) ............. 2
- COM 311 Taking Control of Your Health: Patient-Provider Communication .................................. 3
- COM 315 Understanding Workplace Communication in a Diverse U.S. Society .................................. 3
- CNU 500 Integrative Care for Health Sciences .................................. 1-3
- HHS 362 Interdisciplinary Health Advocacy .................................. 1
- HHS 356 Seminar in Interprofessional Healthcare .................................. 3
- CNU 503 Nutrition for Health Professions .................................. 1-2
- HHS 454 Research in Human Health Sciences .................................. 3

**Major hours .................................................. 39**

**Track B – Entry Level Track**

**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

**Premajor hours .................................................. 21**

**Major Requirements**

CLM 350 Health Policy and Politics .................................. 3
CLM 405 Epidemiology and Biostatistics .................................. 3
CLM 351 Health Services Administration .................................. 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 .................................. 2
HSE 595 Directed Studies .................................. 4
CLM 501 Practicum in Clinical Leadership and Management .................................. 15
Upper-Division Electives | (from selective list below) | 12
Free Electives | | 20

*Capstone Project*

**Major hours .................................................. 57**

**Selective Course Options**

Select 12 hours from the following:

- HHS 443 Health Information Management .................................. 2
- HHS 453 Cultural Competence in Healthcare .................................. 3
- COM 471 Introduction to Health Communication .................................. 3

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COM 571 Interpersonal Communication in Health Contexts .............................................. 3
CNU 302 Obesity C2C: Cell to Community (Subtitle required) ........................................ 2
COM 311 Taking Control of Your Health: Patient-Provider Communication ....................... 3
COM 315 Understanding Workplace Communication in a Diverse U.S. Society .................... 3
CNU 300 Integrative Care for Health Sciences ................................................................. 1-3
HHS 362 Interdisciplinary Health Advocacy .................................................................. 1
HHS 356 Seminar in Interprofessional Healthcare ......................................................... 3
CNU 503 Nutrition for Health Professions ................................................................. 1-2
HHS 454 Research in Human Health Sciences ......................................................... 3

For More Information
For additional information, visit: www.uky.edu/chs/elm

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 workforce. 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 four options for students’ interest in future graduate or professional study in Physician Assistant, Physical Therapy, Dentistry, and Pharmacy programs. This degree also prepares students for work in a variety of other fields, including mid-level management or supervision across healthcare 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.

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 Laboratory to Accompany General College Chemistry I .................... 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 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

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

Graduation Composition and Communication Requirement (GCCR)

HHS/CLM 350 Health Policy and Politics .............................................................. 3
HHS 453 Cultural Competence in Healthcare .................................................... 3
Graduation Composition and Communication Requirement hours (GCCR) .................. 6

Required Courses for the Major

All HHS degree seeking students are required to complete ten courses totaling 30 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. Strongly encouraged are HHS 101 Survey of Health Professions I, and HHS 102 Survey of Health Professions II: Shadowing Experience.

HHS 241 Health and Medical Care Delivery Systems ............................................. 3
HHS 405 Epidemiology and Biostatistics .............................................................. 3
HHS 350 Health Policy and Politics ........................................................................ 3
HHS 454 Research in Human Health Sciences ..................................................... 3
HHS 353 Ethics in Healthcare .................................................................................. 2
HHS 351 Health Services Administration .............................................................. 3
HHS 361 Healthcare Quality and Patient Safety .................................................... 3
HHS 453 Cultural Competence in Health Care ....................................................... 3
HHS 356 Seminar in Interprofessional Healthcare (must enroll for a total of 2 credits) .... 2
HHS 362 Interdisciplinary Health Advocacy (must enroll for a total of 2 credits) ............ 2
HHS 443 Health Information Management ........................................................... 2
CNU 503 Nutrition for Health Professions ............................................................ 1-2

Subtotal: Major hours ....................................................................................... 30

* This course meets the UK Communication Requirement in the major.

Prerequisite Courses Unique to Each Option

These courses are consistent with the prerequisite requirements for each option program (Physician Assistant, Physical Therapy, Dentistry, and Pharmacy). 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 Physical Therapy, Dentistry, and Pharmacy 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.

Option Related Major Requirements

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

Recommended Electives

Two courses, HHS 101 Introduction to the Health Sciences (1 credit) and HHS 102 Survey of Health Professions II (1 credit) are strongly recommended but not currently required. Freshmen and sophomores will be directed into these courses. In addition, several elective courses are available in the major, and students will be advised based on the option of the interest and availability in their program of study.

General Electives

The University has many courses that add to the students’ course of study. Students will be advised accordingly.
For additional information, refer to: www.uky.edu/chs/hhs

Or contact:

Rebecca Serrano
Office of Student Affairs
College of Health Sciences
University of Kentucky
111 Charles T. Wethington Building
Lexington, KY 40536-0200
(859) 218-0864
rebecca.serrano@uky.edu
www.uky.edu/achs/hhs

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 healthcare 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. 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.

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.

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 .............................. 4
CHE 111 Laboratory to Accompany General Chemistry I .......... 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

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

Preprofessional Course Requirements

CHE 107 General College Chemistry II .............................. 3
CHE 113 Laboratory to Accompany General Chemistry II ........ 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 I ........................... 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, Parasitology, and Virology ............... 3
MLS 440 Molecular Techniques ........................................ 3
MLS 450 MLS Education and Management .......................... 3
MLS 460 Clinical Hematology .......................................... 3
MLS 465 Clinical Hematology Laboratory ........................... 2
MLS 461 Clinical Microbiology .......................................... 3
MLS 466 Clinical Microbiology Laboratory .......................... 2
MLS 462 Clinical Chemistry ............................................. 3
MLS 467 Clinical Chemistry Laboratory ............................. 2
MLS 463 Immunohematology .......................................... 3
MLS 468 Immunohematology Laboratory ............................ 2
MLS 464 Body Fluids and Hemostasis ............................... 2
MLS 469 Body Fluids and Hemostasis Laboratory ................... 2
MLS 470 Clinical Correlations .......................................... 3
MLS 480 Clinical Hematology Practicum ............................ 4
MLS 481 Clinical Microbiology Practicum ........................... 4
MLS 482 Clinical Chemistry Practicum .............................. 4
MLS 483 Immunohematology Practicum ............................. 4

Subtotal: Professional Course hours ...................... 60

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. 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 Jimmie L. Jones at: jimmie.jr2@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 May 15.
The Curriculum
A total of 120 credits (including 40-48 professional 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 Laboratory to Accompany General Chemistry I ................................................. 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 I ............... 1
STA 296 Statistical Methods and Motivations ............ 3
Subtotal: Preprofessional Course hours ....... 19

Professional Course Requirements
MLS 410 Medical Biochemistry .......................... 3
MLS 420 Clinical Immunology and Serology .......... 3
MLS 430 Clinical Mycology, Parasitology, and Virology .................................................. 3
MLS 440 Molecular Techniques ........................... 3
MLS 450 MLS Education and Management .............. 3
MLS 460 Clinical Hematology .............................. 3
MLS 461 Clinical Microbiology ............................. 3
MLS 462 Clinical Chemistry ................................. 3
MLS 463 Immunohematology .............................. 3
MLS 464 Body Fluids and Hemostasis ................. 2
MLS 470 Clinical Correlation ................................ 3
MLS 480 Clinical Hematology Practicum .............. 2-4
MLS 481 Clinical Microbiology Practicum ............. 2-4
MLS 482 Clinical Chemistry Practicum .................. 2-4
MLS 483 Immunohematology Practicum ............... 2-4
Subtotal: Professional Course hours ....... 40-48

For additional information, refer to: www.uky.edu/healthsciences/academic-programs/medical-laboratory-science

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

Jimmie L. Jones
Academic Advisor
(859) 218-0546
jimmie.jr2@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: Shad
Minor Requirements
HHS 241 Health and Medical Care Delivery Systems ............................................. 3
HHS 350 Health Policy and Politics ..................... 3
HHS 353 Ethics in Healthcare ................................ 2
HHS 453 Cultural Competence in Healthcare .... 3
HHS 354 Health Law ............................................. 3
HHS 362 Interdisciplinary Health Advocacy .......... 1
HS 500 Integrative Care for Health Sciences ....... 1-3

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

Undergraduate Research in Human Health Sciences Certificate
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 Nutritionist (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 preprofessional undergraduate degree for students who aspire to careers in health care, such as dentistry, pharmacy, physician assistant studies 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 profession 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. We expect a diverse group of both male and female students consistent to what is currently found in the HHS, DHN, and KHP programs.

**Total Hours: 14**

### DEPARTMENT OF REHABILITATION SCIENCES

**B.H.S. with a major in COMMUNICATION SCIENCES AND DISORDERS**

In keeping with the standards of the American Speech-Language-Hearing Association, the undergraduate program in communication sciences and 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 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 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. The application deadline 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 Laboratory to Accompany
General Chemistry I ................................. 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
Curriculum

Junior Year

Fall Semester
* CSD 277 Introduction to Communication Disorders .... 3
* CSD 285 Applied Phonetics .................................... 3
CSD 378 Anatomy and Physiology of Speech .......... 3

Spring Semester
CSD 402 Speech and Hearing Science ...................... 3
CSD 484 Introduction to Diagnostic Procedures in Speech-Language Pathology ...................... 3

Senior Year

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

Spring Semester
CSD 410 Language Development
* Through the Lifespan ............................................. 3
**CSD 481 Clinical Experience in Communication Disorders .............................................. 3
CSD 482 Clinical Management of Communication Disorders II .................. 3
CSD 483 Clinical Management of Communication Disorders II .................. 3
CSD 491 Audiology .............................................. 3
CSD 571 Neural Bases of Speech, Language, and Hearing .............................................. 3

†May be taken as a pre-CSD course prior to the junior year.
**Half of senior students take CSD 481 during fall semester; the remaining half take course during spring semester.

For additional information, visit: www.uky.edu/healthsciences/academic-programs/communication-sciences-and-disorders

Or contact:
Richard Andreotta, Ph.D.
CSD Director of Undergraduate Studies
900 S. Limestone Street
120F CTW Building
Lexington, KY 40536-0200
richard.andreotta@uky.edu

Undergraduate Certificate in Clinical Healthcare Management

Successful completion of the certificate in Clinical Healthcare Management will demonstrate that the graduate is prepared to function successfully in a clinical leadership and management role in a health care institution. The program is useful for any currently enrolled UK student interested in obtaining clinical management skills; in addition, the program is useful for practicing clinical professionals (non-degree-seeking) such as nurses, physicians, dentists, physician assistants, physical therapists, respiratory therapists and other interested in enhancing their management skills.

Clinical Health Management Curriculum

The Certificate in Clinical Health Management curriculum is as follows:

- A minimum of 12 credits of course work taken for a letter grade.
- At least 12 credits must be 200 level or above, and a minimum of 6 credits must be at the 300-level or above.
- The student must complete a 3-credit breadth component. The breadth component requires that a student take courses in at least two disciplines, with a minimum of 3 credits to be completed in a second discipline.
- Student must earn a C or better in each required certificate course to receive the certificate.
- Certificates will only be awarded to students who successfully complete a degree, or have completed a four-year degree.
- No more than 9 credits taken for a certificate can be used to satisfy the requirements for the student’s bachelor’s degree, a minor, or another certificate, exclusive of free or unrestricted electives.

Curriculum for Currently Enrolled Students

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

- CLM 241 Health and Medical Care Delivery Systems .............................................. 3
- CLM 351 Health Services Administration .............................................. 3
- CLM 355 Financial Management of Health Care Institutions .............................................. 3

plus one of the following:

- CLM 350 Health Policy and Politics .............................................. 3
- CLM 354 Health Law .............................................. 3
- CLM 405 Epidemiology and Biostatistics .............................................. 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 353 Ethics in Healthcare .............................................. 3

Curriculum for Post-Baccalaureate Students

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

- CLM 351 Health Services Administration .............................................. 3
- CLM 355 Financial Management of Health Care Institutions .............................................. 3
- HHS 395 Independent Study .............................................. 3

plus one of the following:

- HHS 350 Health Policy and Politics .............................................. 3
- CLM 354 Health Law .............................................. 3
- CLM 405 Epidemiology and Biostatistics .............................................. 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
- HHS 241 Health and Medical Care Delivery Systems .............................................. 3

For more information, contact Faculty Director Dr. Geza Bruckner, Division of Clinical Leadership and Management within the Department of Clinical Sciences.

TOTAL HOURS: .............................................. 120
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) 218-0572
email: philip.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.

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 Name</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</td>
<td></td>
</tr>
<tr>
<td>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</td>
<td></td>
</tr>
<tr>
<td>(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></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></td>
</tr>
<tr>
<td>CSD 745 Pediatric Feeding and Motor Speech Disorders</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours: 30

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

<table>
<thead>
<tr>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSD 654 Clinical Orientation in Communication Disorders</td>
<td>3</td>
</tr>
<tr>
<td>CSD 657 Clinical Practicum in Speech-Language Pathology</td>
<td>3</td>
</tr>
<tr>
<td>CSD 659 Clinical Rotation in Speech-Language Pathology</td>
<td>6</td>
</tr>
<tr>
<td>Students completing the thesis option also complete the following: CSD 748 Master’s Thesis Research</td>
<td>0</td>
</tr>
<tr>
<td>CSD 768 Residence Credit for the Master’s Degree</td>
<td>1-6</td>
</tr>
</tbody>
</table>

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 pathophysiological states. Opportunities for specialization 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 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 30 credit hours of course work is required for graduation.

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
aolso2@uky.edu
www.uky.edu/healthsciences/academic-programs/communication-sciences-and-disorders

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.

University of Kentucky
2016-2017 Undergraduate Bulletin
Prerequisite Courses for Physician Assistant Studies*

<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>General Animal Biology</td>
<td>1 semester + lab</td>
<td>BIO 208/308 &amp; BIO 209</td>
</tr>
<tr>
<td>Microbiology</td>
<td>1 semester + lab</td>
<td>STA 291, 296 or PSY 216</td>
</tr>
<tr>
<td>Psychology</td>
<td>1 semester + lab</td>
<td>PSY 100</td>
</tr>
<tr>
<td>Developmental Psychology</td>
<td>1 semester + lab</td>
<td>PSY 223</td>
</tr>
<tr>
<td>Anthropology</td>
<td>1 semester (3 hours)</td>
<td>any anthropology (3 hours)</td>
</tr>
<tr>
<td>Sociology</td>
<td>1 semester (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

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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, www.uky.edu/research/uky.edu/gs/ProspectiveStudents/Admission.html, as well as the Central Application Service for Physician Assistants (CASPA): https://caspa.liaisoncas.com/applicant-ux/#/login.

Students must satisfy admissions requirements to both the Graduate School and the Physician Assistant Studies Program. Applicants to the PAS Program must complete the Graduate Record Examination (GRE). For GRE scores received before August 2011, applicants must have achieved a minimum combined score of 900 points on Verbal and Quantitative sections of the exam. Minimum scores for the new GRE must meet the minimum academic requirements for the Graduate School. Please note that the class average for GRE scores is generally around 1140 for the old GRE and average of 153 Verbal, 151 Quantitative and 3.75 Analytical. All GRE scores must have been taken within the last five years. The UKPAS Program accepts ONLY the GRE for our program. We do not accept any substitutes (e.g., the MCAT).

The UK GRE code is R1837 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.

For specific information concerning admissions, visit: www.uky.edu/healthsciences/academic-programs/physician-assistant-studies/admissions

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, 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 and 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. Applicants are required to have a minimum of 50 hours shadowing a physician assistant in any specialty.
Although 50 is the required minimum, typical applicants average greater than 100 shadowing hours, depending on the year of application.

Additionally, applicants must have direct patient care experience. Beginning in the 2016-2017 Admissions cycle, the minimum 1000 patient contact hour requirement will be removed. Patient contact experience will still be a requirement, however without a set amount of hours. It is highly recommended that hours be obtained in a formally trained medical discipline (as a registered nurse, certified nursing assistant, emergency technician, certified medical assistant, etc.). Lastly, volunteer hours may be in either primary and/or non-primary care settings and with various practitioners (physicians, nurse practitioners, etc.).

Due to the competitive nature and large number of students applying to the program, not all applicants who meet minimum requirements will be invited for an interview.

Please see the Web site at: www.uky.edu/healthsciences/academic-programs/physician-assistant-studies for the application deadline. Generally, the application is due in mid-summer.

For more information and dates of General Information Sessions, please visit our Web site at www.uky.edu/healthsciences/academic-programs/physician-assistant-studies. If you have questions after visiting our Web site and attending an information session, contact:

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Student Affairs Officer
Office of Admissions and Student Affairs
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900 S. Limestone
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Lexington, KY 40536-0200
(859) 218-0546
jimmie.jr2@uky.edu
or

Julia Flannery
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/academic-programs/physician-assistant-studies

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. Clare Regional Medical Center (SCRM). 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:

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