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 coholed 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>
<td></td>
<td></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>
<tr>
<td>Human Health Sciences</td>
<td>Rolling Admissions</td>
<td>(priority deadline December 1)</td>
<td></td>
</tr>
<tr>
<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>
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<tr>
<td>MLT to MLS Track</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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EHS Curricular Pathway

Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>*CIS/WRD 110 Composition and Communication I</td>
<td>3</td>
</tr>
<tr>
<td>PSY 100 Introduction to Psychology</td>
<td></td>
</tr>
<tr>
<td>MA course</td>
<td>3-4</td>
</tr>
<tr>
<td><strong>UK Core – Humanities</strong></td>
<td>3</td>
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<tr>
<td>**HHS 101 Survey of Health Professions I</td>
<td>1</td>
</tr>
<tr>
<td>*UK 101 Academic Orientation</td>
<td></td>
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<tr>
<td>Total:</td>
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Spring

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<thead>
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<th>Course</th>
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</thead>
<tbody>
<tr>
<td>*CIS/WRD 111 Composition and Communication II</td>
<td>3</td>
</tr>
<tr>
<td>**HHS 241 Health and Medical Care Delivery Systems</td>
<td>3</td>
</tr>
<tr>
<td>UK Core – US Citizenship</td>
<td>3</td>
</tr>
<tr>
<td>UK Core – Natural Science</td>
<td>3-5</td>
</tr>
<tr>
<td>MA course or</td>
<td></td>
</tr>
<tr>
<td>UK Core – Statistical Inferential Reasoning</td>
<td>3-4</td>
</tr>
<tr>
<td>†College of Health Sciences Career Exploration course</td>
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</tr>
<tr>
<td>or</td>
<td></td>
</tr>
<tr>
<td>UK 150 Career and Major Exploration</td>
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<tr>
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Fall

<table>
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<tbody>
<tr>
<td>UK Core – Global Dynamics</td>
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<tr>
<td>UK Core – Arts &amp; Creativity</td>
<td>3</td>
</tr>
<tr>
<td>MA course or</td>
<td></td>
</tr>
<tr>
<td>UK Core – Statistical Inferential Reasoning</td>
<td>3-4</td>
</tr>
<tr>
<td>†College of Health Sciences Career Exploration course</td>
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<tr>
<td>or</td>
<td></td>
</tr>
<tr>
<td>UK 150 Career and Major Exploration</td>
<td>1-2</td>
</tr>
<tr>
<td>(Subtitle required)</td>
<td></td>
</tr>
<tr>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>College of Health Sciences Independent Study course</td>
<td></td>
</tr>
<tr>
<td>or</td>
<td></td>
</tr>
<tr>
<td>UK 300 University Course (Title to be assigned)</td>
<td>1-3</td>
</tr>
<tr>
<td>Total:</td>
<td>17-21</td>
</tr>
</tbody>
</table>

*Section restricted to CHS students.
**Section restricted to EHS students.
†Choose from: AT 120, CSD 120, CLM 120, HHS 101, MLS 120, PT 120.

ADMISSIONS PROCEDURES

Baccalaureate Programs

Baccalaureate programs in the College of Health Sciences prepare students for the health professions. Students must first make application to the University of Kentucky.

A premajor program (Pre-Communication Sciences and Disorders, and Pre-Medical Laboratory Sciences) 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 or 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.

The admissions procedure for all baccalaureate programs require a two-step process. Applicants must first be accepted by the University of Kentucky and second must apply for admission into a professional program. The timing for the secondary application varies by program. Students applying to the Clinical Leadership and Management and Human Health Sciences submit a secondary application prior to admission in the College of Health Sciences. Students applying to Communication Sciences and Disorders and Medical Laboratory Science programs within the College of Health Sciences must first be accepted by the University of Kentucky and second must apply for admission to a professional program approximately two semesters prior to completing prerequisites. This selection procedure is necessary because of the limited space in the professional years of the health sciences programs.

Requirements for the first several years (pre-professional 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 admission 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. 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:

CHE 105 General Chemistry I

CHE 111 General Chemistry I Laboratory

PSY 100 Introduction to Psychology

MA 137 Calculus I With Life Science Applications

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

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 and the Technical and Behavior Standards at: www.uky.edu/chs/current-students/technical-standards-collegehealth-sciences.

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/UK33. 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 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, M.S.
Academic Advisor
arrich2@uky.edu
859-218-0546

or

Amy Karr, M.A.
Academic Advisor
amy.karr@uky.edu
859-323-7881

or

Sarah Sheff, Ph.D.
Academic Advisor
sarah.sheff@uky.edu
859-218-0491

or

William Bickers, B.A.
Director of Recruitment
Chs-admissions@uky.edu
859-323-6743

or

Rebecca Serrano, MBA
Student Success and
Financial Wellness Coordinator
rebecca.serrano@uky.edu
859-218-0864

or

Academic advising and information about admissions is available from:

William Bickers, B.A.
Director of Recruitment
Chs-admissions@uky.edu
859-323-6743

or

Casey Shadix, Ph.D.
Director of Advising
casey.shadix@uky.edu
859-218-0573

or

Office of Student Affairs
College of Health Sciences
859-218-1100

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 Kercsmar at:

Sarah Kercsmar, Ph.D.
CLM Director of Undergraduate Studies
sarah.kercsmar@uky.edu
859-218-0514

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

- VI. Composition and Communication II
  Choose one course from approved list ................................. 3

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

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

STAL 210 Making Sense of Uncertainty: An Introduction to Statistical Reasoning
STAL 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

UK Core hours .................................................. 31

Graduation Composition and Communication Requirement (GCCR)
CLM 300 Healthcare Managers:
  Write, Speak, and Create .................................. 3

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

Premajor Requirements
CLM 120 Careers in Clinical Leadership and Management .................. 2
CHS 150 Introduction to Interprofessional Healthcare Seminar .................. 3

Premajor hours ................................................. 5

Major Requirements
CLM 104 Mindfulness Practices and Stress Reduction .................... 1
CLM 241 Health and Medical Care
  Delivery Systems ............................................. 3
CLM 300 Healthcare Managers:
  Write, Speak, and Create .................................. 3
CLM 323 Social Determinants of Health ...................... 3
CLM 350 Health Policy, Politics, and Law ................ 3
CLM 325 Introduction to Health Care Management ........ 3
CLM 353 Ethics in Health Services Management ........ 3
CLM 453 Financial Management of Healthcare Organizations ........... 4
CLM 444 Leadership: Human Resources Management in Healthcare .... 3
CLM 345 Quality and Productivity
  Improvement and Evaluation ............................... 3
CLA 131 Medical Terminology
  from Greek and Latin ....................................... 3
CLM 342 Leadership: Management Competencies
  Essential to Lead in Healthcare ......................... 3
CLM 453 Cultural Competence in Healthcare ................ 3
CLM 443 Leadership: Strategic Vision, Mission and Planning in Healthcare .... 3
CHS 354 Interprofessional Evidence-Based Decision Making ................... 3
CLM 495 Clinical Leadership and Management Capstone .................. 3
CLM 480 Seminar in Human Health Sciences
  (Variable Topic) ............................................. 3
CLM 401 Practicum I: Foundations ................................ 3
CLM 402 Practicum II: Intermediate ................................ 3
CLM 403 Practicum III: Advanced ................................ 3
CLM 335 Health Information Management .................. 3

Major hours ....................................................... 62

Electives
Students must take 22 elective credit hours, of which 15 must be at the 300-level or higher.
Elective hours ................................................. 22
TOTAL HOURS: .............................................. 120

For More Information
Visit: www.uky.edu/chs/clm.
Sarah Kercsmar, Ph.D.
CLM Director of Undergraduate Studies
sarah.kercsmar@uky.edu
859-218-0514

or

Allison Burton, M.S.
Academic Advisor
arich2@uky.edu
859-218-0546
or
Sarah Sheff, Ph.D.
Academic Advisor
sarah.sheff@uky.edu
859-218-0491

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.

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 April 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 1 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
or
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
### College of Health Sciences

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>HHS 363</td>
<td>Interdisciplinary Health Advocacy II</td>
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</tr>
<tr>
<td>HHS 405</td>
<td>Social and Cultural Evolution of Disease</td>
<td>3</td>
</tr>
<tr>
<td>HHS 443</td>
<td>Health Information Management</td>
<td>2</td>
</tr>
<tr>
<td>HHS 453</td>
<td>Cultural Competence in Healthcare</td>
<td>3</td>
</tr>
<tr>
<td>HHS 454</td>
<td>Research in Human Health Sciences</td>
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</tr>
<tr>
<td>CNU 303</td>
<td>Nutrition for Health Professions</td>
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**Subtotal: HHS Core** .......................................................... 31

### Guided Electives (Required by HHS)

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BIO 148</td>
<td>Introductory Biology I</td>
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<tr>
<td>BIO 152</td>
<td>Principles of Biology II</td>
<td>3</td>
</tr>
<tr>
<td>BIO 155</td>
<td>Laboratory for Introductory Biology I</td>
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</tr>
<tr>
<td>CHE 107</td>
<td>General College Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHE 113</td>
<td>General Chemistry Laboratory II</td>
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<tr>
<td>CLA 131</td>
<td>Medical Terminology from Greek and Latin</td>
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</tr>
<tr>
<td>PHY 211</td>
<td>General Physics</td>
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**Subtotal: Guided Electives** .............................................. 20

### Pre-Professional Track Course Requirements

#### Athletic Training Track

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<td>BIO 209</td>
<td>Principles of Human Anatomy</td>
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<tr>
<td>AT 120</td>
<td>Careers in Athletic Training</td>
<td>1</td>
</tr>
<tr>
<td>KHP 190</td>
<td>First Aid and Emergency Care</td>
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<tr>
<td>KHP 415</td>
<td>Biomechanics of Human Movement</td>
<td>4</td>
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<tr>
<td>KHP 420</td>
<td>Physiology of Exercise</td>
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<tr>
<td>PGY 206</td>
<td>Elementary Physiology</td>
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**Subtotal: ** ........................................................................ 35

#### Audiology Track

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<td>CSD 378</td>
<td>Anatomy and Physiology of Speech</td>
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<tr>
<td>CSD 402</td>
<td>Speech and Hearing Science</td>
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<tr>
<td>CSD 491</td>
<td>Audiology</td>
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<tr>
<td>CSD 571</td>
<td>Neural Bases of Speech, Language, and Hearing</td>
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</tr>
<tr>
<td>CSD 591</td>
<td>Aural Rehabilitation</td>
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**Subtotal: ** ........................................................................ 35

#### Dentistry Track

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<td>BCH 401G</td>
<td>Fundamentals of Biochemistry</td>
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</tr>
<tr>
<td>BIO 208</td>
<td>Principles of Microbiology</td>
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<tr>
<td>BIO 209</td>
<td>Introductory Microbiology Laboratory</td>
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<tr>
<td>or BIO 308</td>
<td>General Microbiology</td>
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<tr>
<td>BIO 309</td>
<td>Microbiology Laboratory</td>
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<tr>
<td>CHE 230</td>
<td>Organic Chemistry I</td>
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<tr>
<td>CHE 231</td>
<td>Organic Chemistry Laboratory I</td>
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<tr>
<td>CHE 232</td>
<td>Organic Chemistry II</td>
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</tr>
<tr>
<td>CHE 233</td>
<td>Organic Chemistry Laboratory II</td>
<td>1</td>
</tr>
<tr>
<td>HHS 450</td>
<td>Introduction to Dentistry</td>
<td>3</td>
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**Subtotal: ** ........................................................................ 35

#### Occupational Therapy Track

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<th>Course Title</th>
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<tbody>
<tr>
<td>BIO 309</td>
<td>Principles of Human Anatomy</td>
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<tr>
<td>BIO 302</td>
<td>Introduction to Neuroscience</td>
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<tr>
<td>HHS 501</td>
<td>Practicum in Clinical Leadership and Management</td>
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<td>KHP 415</td>
<td>Biomechanics of Human Movement</td>
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<tr>
<td>PGY 206</td>
<td>Elementary Physiology</td>
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**Subtotal: ** ........................................................................ 35

#### Optometry Track

<table>
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<th>Course Code</th>
<th>Course Title</th>
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<tr>
<td>BIO 209</td>
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</tr>
<tr>
<td>BCH 401G</td>
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</tr>
<tr>
<td>BIO 208</td>
<td>Principles of Microbiology</td>
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</tr>
<tr>
<td>BIO 209</td>
<td>Introductory Microbiology Laboratory</td>
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</tr>
<tr>
<td>or BIO 308</td>
<td>General Microbiology</td>
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</tr>
<tr>
<td>BIO 309</td>
<td>Microbiology Laboratory</td>
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<tr>
<td>CHE 230</td>
<td>Organic Chemistry I</td>
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<td>CHE 231</td>
<td>Organic Chemistry Laboratory I</td>
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<td>CHE 232</td>
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<td>CHE 233</td>
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<tr>
<td>PGY 206</td>
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**Subtotal: ** ........................................................................ 35

#### Pharmacy Track

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<td>BIO 208</td>
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<td>BIO 308</td>
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**Subtotal: ** ........................................................................ 35

#### Physical Therapy Track

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<td>BCH 401G</td>
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<td>BIO 208</td>
<td>Principles of Microbiology</td>
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</tr>
<tr>
<td>BIO 209</td>
<td>Introductory Microbiology Laboratory</td>
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</tr>
<tr>
<td>or BIO 308</td>
<td>General Microbiology</td>
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<tr>
<td>BIO 309</td>
<td>Microbiology Laboratory</td>
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<td>CHE 230</td>
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<tr>
<td>ECO 201</td>
<td>Principles of Economics I</td>
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<td>PGY 206</td>
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<tr>
<td>PSY 223</td>
<td>Developmental Psychology</td>
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**Subtotal: ** ........................................................................ 35

#### Physician Assistant Track

<table>
<thead>
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<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tr>
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</tr>
<tr>
<td>BIH 401G</td>
<td>Fundamentals of Biochemistry</td>
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<tr>
<td>BIO 208</td>
<td>Principles of Microbiology</td>
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</tr>
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<td>BIO 209</td>
<td>Introductory Microbiology Laboratory</td>
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<tr>
<td>or BIO 308</td>
<td>General Microbiology</td>
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<tr>
<td>BIO 309</td>
<td>Microbiology Laboratory</td>
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<td>CHE 230</td>
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<tr>
<td>CHE 233</td>
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<tr>
<td>HHS 451</td>
<td>Introduction to Medicine</td>
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<tr>
<td>PGY 206</td>
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</tr>
<tr>
<td>PSY 223</td>
<td>Developmental Psychology</td>
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</tr>
</tbody>
</table>

**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.

For more information, visit: [www.uky.edu/chs/hhs](http://www.uky.edu/chs/hhs)

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HHS Director of Undergraduate Studies
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859-218-0489

or

Amy Karr, M.A.
Academic Advisor
amy.karr@uky.edu
859-323-7881

or

Rebecca Serrano, MBA
Student Success and Financial Wellness Coordinator
rebecca.serrano@uky.edu
859-218-0864

### B.H.S. with a major in MEDICAL LABORATORY SCIENCE

The undergraduate Medical Laboratory Science (MLS) 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.

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 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
POV 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 ................. 24**

**Professional Course Requirements**

MLS 460 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 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 .................... 3
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 471 Professionalism in Medical Laboratory Science 1
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**

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 Sarah Sheff at: sarah.sheff@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 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 General Chemistry II Laboratory ................. 2
POV 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 and Parasitology ............ 2
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 .................... 3
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 471 Professionalism in Medical Laboratory Science 1
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**

Upon successful completion of the professional program, all students are eligible for the national certifying exam.
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 (except Clinical Leadership & Management majors) interested in obtaining clinical management skills; in addition, the program is useful for practicing professionals (non-degree-seeking) such as nurses, physicians, dentists, physician assistants, physical therapists, respiratory therapists and other interested in enhancing their management skills.

Admission

Students will complete the required application form, available at www.uky.edu/chs/clinical-healthcare-management-certificate-application. Additionally, applicants will write a two paragraph response to the questions: “Why do you want to add the Clinical Healthcare Management certificate? How will it compliment your current major?” A holistic review process is employed to determine fit for the certificate. Students need to articulate how the certificate can enhance their education to gain admission. Students who are Clinical Leadership & Management majors may not enroll in the certificate due to duplication of content.

Required Courses

The Clinical Healthcare Management Certificate is comprised of 12 credit hours, including 9 hours of required courses:

- HHS 241 Health and Medical Care Delivery Systems .......................... 3
- CLM 325 Introduction to Health Care Management or
  *MGT 301 Business Management ........................................... 3
- CLM 345 Quality and Productivity Improvement and Evaluation .......... 3
  *MGT 301 is available for students who are majors in the Gatton College of Business and Economics.

Elective

Choose one course from the following:

- CLM 350 Health Policy, Politics, and Law .................................. 3
- CLM 353 Ethics in Health Services Management .......................... 3
- CLM 323 Social Determinants of Health .................................... 3
- CLM 455 Financial Management of Healthcare Organizations ............ 4
- HHS 405 Social and Cultural Evolution of Disease ..................... 3
- CLM 444 Leadership: Human Resources Management in Healthcare .... 3
- CLM 443 Leadership: Strategic Vision, Mission and Planning in Healthcare 3
- CLM 342 Leadership: Management Competencies Essential to Lead in Healthcare ......................................................... 3
- CLM 452 Community and Institutional Planning for Health Services Delivery .......... 3
- CLM 355 Health Information Management .................................. 3
- CLM 453 Cultural Competence in Healthcare ............................ 3

ITC 326 Electronic Information Resources for Health Professionals .......... 3
NUR 372 Current Healthcare Topics in the US ................................ 3
COM 571 Interpersonal Communication in Health Contexts ............... 3

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

Sarah Kercsmar, Ph.D.
CLM Director of Undergraduate Studies
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859-218-0514

Certificate in Undergraduate Research in Human Health Sciences

The Office of Research in the College of Health 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 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.
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 programs. 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 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- 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
DHN students take DHN 315; KHP students take KHP 240; and HHS students choose either DHN 315 or KHP 240.
KHP 420G Physiology of Exercise
HHS 400G Nutrition for Physical Activity, Injury Prevention, and Rehabilitation
Select one:
HHS 395 Independent Study
DHN 391 Special Problems in Dietetics and Human Nutrition
KHP 395 Independent Study in Kinesiology and Health Promotion
Plus, choose from the following courses to meet the 14 credit hour minimum requirement:
HHS 402G Muscle Biology

Total Hours: 14

For more information contact:
Travis Thomas, Ph.D.
Director of Nutrition for Human Performance
david.t.thomas@uky.edu
859-218-0863

COMMUNICATION SCIENCES AND DISORDERS

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 pre-professional program on a competitive basis. Admission is based on cumulative grade-point average, ACT or SAT scores, three letters of recommendation, letter of application, and quality of professional and community-based experience. Completion of CSD 277 and PSY 100 (or equivalent) is also required prior to application to the major. New students are admit-
Spring Semester
CSD 410 Language Development
Through the Lifespan ............................................. 3
CSD 484 Introduction to Diagnostic Procedures
in Speech-Language Pathology .................................. 3
*CSD 481 Clinical Experience in
Communication Disorders .................................. 3
CSD 482 Introduction to Clinical Management ........... 3
*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:
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Allison Burton, M.S.
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Sarah Sheff, Ph.D.
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GRADUATE DEGREES IN HEALTH SCIENCES

Professional Master of Science in Athletic Training

The entry-level Professional Master of Science in Athletic Training (MSAT) program is designed for students who wish to become athletic trainers (AT). The mission of the MSAT program is to effectively prepare entry-level athletic trainers, who are life-long learners and servants to their communities, for employment and/or pursuit of advanced education by providing a comprehensive education in a collaborative, evidence-based, patient-centered environment that includes robust educational, scholarly, clinical, and service opportunities.

The MSAT has a competitive admissions process that will begin July 1 for program entry the following summer. To learn more about the application processes and admissions requirements, please visit the website:
www.uky.edu/chs/athletic-training/professional

Or contact:
Phillip Gribble, Ph.D., ATC, FNATA
Department Chair of Athletic Training and
Clinical Nutrition
philipp.gribble@uky.edu
859-218-0885
The MSAT is currently seeking accreditation from the Commission on Athletic Training Education (CAATE). We will submit a self-study to begin the accreditation process on July 1, 2021. Submission of the self-study and completion of the site visit in early Spring 2022 does not guarantee the program will become accredited. Once accredited, graduates of the program will be eligible to sit for the Board of Certification exam. For further information, contact:

www.uky.edu/chs/athletic-training/professional

Or contact:

Johanna M. Hoch, Ph.D., ATC
Program Director, Professional Masters in Athletic Training
Johanna.hoch@uky.edu
859-323-7070

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:

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

Or contact:

Anne Olson, Ph.D.
Department Chair of Communication Sciences and Disorders
Graduate Program
aolso2@uky.edu
859-218-0572

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 Hours
CSD 621 Alternative and Augmentative Communication ................................................... 3
CSD 647 Language Disorders in Developmentally Young Individuals ........................................... 3
CSD 648 Language Disorders in School-Age Populations .......................................................... 3
CSD 661 Phonological Development and Disorders ................................................................. 3
CSD 670 Voice Disorders .......................................................... 3
CSD 675 Low Incidence Communication Disorders (Subtitle required) ........................................ 3
CSD 677 Aphasia and Related Disorders .......................................................... 3
CSD 701 Research Methods in Communication Disorders .......................................................... 3
CSD 710 Cognitive Communication Disorders ................................................................. 3
CSD 744 Adult Swallowing and Motor Speech Disorders .......................................................... 3
CSD 745 Pediatric Feeding and Motor Speech Disorders .......................................................... 3
Total Credit Hours .................................................................................................................. 33

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 course 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 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 selection 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:

http://pharmns.med.uky.edu/

Or contact:

Geza Bruckner, Ph.D.
Program Director of Clinical Nutrition
gbruckn@uky.edu
859-218-0859

Master of Science in Physician Assistant Studies

The University of Kentucky, Division of Physician Assistant Studies (PAS) offers a 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/, 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 (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). 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 the 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 de-
**College of Health Sciences**

**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 or Human Anatomy/Physiology</td>
<td>1 semester (3 hours) or 1 semester (4 hours)</td>
<td>ANA 209 or ANA 109 (must be paired with ANA 110 only)</td>
</tr>
<tr>
<td>Human Physiology or Human Anatomy/Physiology</td>
<td>1 semester (3 hours) or 1 semester (4 hours)</td>
<td>PGY 206 or ANA 110 (must be paired with ANA 109 only)</td>
</tr>
<tr>
<td>General Animal Biology</td>
<td>1 semester + lab</td>
<td>BIO 148/152 &amp; 155, or 150 &amp; 151, or 152 &amp; 153</td>
</tr>
<tr>
<td>Microbiology</td>
<td>1 semester + lab</td>
<td>BIO 208/308 &amp; BIO 209</td>
</tr>
<tr>
<td>Statistics</td>
<td>1 semester</td>
<td>STA 291, 296 or PSY 216</td>
</tr>
<tr>
<td>Psychology</td>
<td>1 semester</td>
<td>PSY 100</td>
</tr>
<tr>
<td>Developmental Psychology</td>
<td>1 semester</td>
<td>PSY 223</td>
</tr>
<tr>
<td>Anthropology or Sociology</td>
<td>1 semester</td>
<td>any anthropology (3 hours)</td>
</tr>
<tr>
<td></td>
<td>OR</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](http://www.uky.edu/healthsciences/academic-programs/physician-assistant-studies/admissions).

Please see the Web site at: [www.uky.edu/healthsciences/academic-programs/physician-assistant-studies](http://www.uky.edu/healthsciences/academic-programs/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: [www.uky.edu/healthsciences/academicprograms](http://www.uky.edu/healthsciences/academicprograms)

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**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 Lexington campus. 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, M.A.**
Physician Assistant Program
Student Affairs Officer
[www.uky.edu](http://www.uky.edu/)
859-217-5001

**Physical Therapy – Doctor of Physical Therapy**

The Physical Therapy Program at the University of Kentucky offers the professional (entry level) Doctor of Physical Therapy (DPT) degree. The program is offered at the Lexington campus and at the Center of Excellence in Rural Health, Hazard, Kentucky. Once accepted, the PT Program requires three successful years to completion (137 course credits) and results in the awarding of the DPT.
The PT Program has selective admissions. To be eligible for application, the student must complete a bachelor’s degree prior to the start of the PT program, or complete (by no later than the end of the spring semester of application):

- Ninety semester hours working toward a degree;
- An overall GPA of $\geq 3.2$;
- A science GPA and major course GPA of $\geq 3.5$;
- A combined verbal and quantitative GRE score of 300 is recommended by the Physical Therapy Division.

For additional requirements for application, including the application form, go to: www.uky.edu/chs/pt.

For more information about the Physical Therapy Program at the Lexington campus, contact: www.uky.edu/chs/pt

Robert D. English, Ph.D.
Department Chair of Physical Therapy
Doctoral Program
tenglish@uky.edu
859-218-0494

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
606-439-3557 ext. 8-3508
1-800-851-7512 ext. 8-3508
http://ruralhealth.med.uky.edu/physical-therapy