Human Health Sciences

Students interested in health care have a variety of academic options. The Human Health Sciences (HHS) baccalaureate program was created to address the need for a well prepared health care work force. Graduates of this program will have a strong foundation in competencies necessary to deliver high quality health care in an interprofessional, dynamic environment. This program is not intended to replace traditional pathways to health care careers; instead, it is intended to offer a unique alternative for those who seek careers in health care and the health professions. Specifically, the degree offers eight options for students interested in future graduate or professional study: Athletic Training, Audiology, Dentistry, Occupational Therapy, Optometry, Pharmacy, Physical Therapy, and Physician Assistant programs. This degree also prepares students for work in a variety of other fields, including 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 the 2018-2019 Undergraduate 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 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 ............................................................. 3
    and CHE 111 General Chemistry I Laboratory ............................................. 5

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

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

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

VIII. Statistical Inferential Reasoning
Choose 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 453 Cultural Competence in Healthcare .......................................... 3

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

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

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

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

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

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University of Kentucky is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award associate, baccalaureate, masters, and doctorate degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097, call 404-679-4500, or online at www.sacscoc.org for questions about the accreditation of University of Kentucky.
## Pre-Professional Track Course Requirements

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

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

### Audiology Track
- **CSD 378 Anatomy and Physiology of Speech** ............................................. 3
- **CSD 402 Speech and Hearing Science** ........................................................... 3
- **CSD 491 Audiology** ......................................................................................... 3
- **CSD 571 Neural Bases of Speech, Language, and Hearing** ............................ 3
- **CSD 591 Aural Rehabilitation** ....................................................................... 3
- **Free Electives** .................................................................................................... 20

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

### Dentistry Track
- **BCH 401G Fundamentals of Biochemistry** ................................................. 3
- **BIO 208 Principles of Microbiology** .............................................................. 3
- **BIO 209 Introductory Microbiology Laboratory** ........................................... 5
  or
- **BIO 308 General Microbiology** ................................................................. 5
- **CHE 230 Organic Chemistry I** ...................................................................... 3
- **CHE 231 Organic Chemistry Laboratory I** .................................................... 1
- **CHE 232 Organic Chemistry II** ................................................................. 3
- **CHE 233 Organic Chemistry Laboratory II** .................................................. 1
- **HHS 450 Introduction to Dentistry** ............................................................. 3
- **Free Electives** .................................................................................................... 16

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

### Occupational Therapy Track
- **ANA 209 Principles of Human Anatomy** ......................................................... 3
- **BIO 302 Introduction to Neuroscience** ....................................................... 3
- **CLM 501 Practicum in Clinical Leadership and Management** .................. 3
- **KHP 415 Biomechanics of Human Movement** ............................................. 4
- **PGY 206 Elementary Physiology** ................................................................. 3
- **Free Electives** .................................................................................................... 19

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

### Optometry Track
- **ANA 209 Principles of Human Anatomy** ......................................................... 3
- **BCH 401G Fundamentals of Biochemistry** ................................................. 3
- **BIO 208 Principles of Microbiology** .............................................................. 3
- **BIO 209 Introductory Microbiology Laboratory** ........................................... 5
  or
- **BIO 308 General Microbiology** ................................................................. 5
- **CHE 230 Organic Chemistry I** ...................................................................... 3
- **CHE 231 Organic Chemistry Laboratory I** .................................................... 1
- **CHE 232 Organic Chemistry II** ................................................................. 3
- **CHE 233 Organic Chemistry Laboratory II** .................................................. 1
- **Free Electives** .................................................................................................... 17

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

### Pharmacy Track
- **ANA 209 Principles of Human Anatomy** ......................................................... 3
- **BIO 208 Principles of Microbiology** .............................................................. 3
- **BIO 209 Introductory Microbiology Laboratory** ........................................... 5
  or
- **BIO 308 General Microbiology** ................................................................. 5
- **BIO 309 Microbiology Laboratory** .............................................................. 3

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

### Physical Therapy Track
- **BIO 304 Principles of Genetics** ................................................................. 4
- **PHY 213 General Physics** ........................................................................... 5
- **PSY 223 Developmental Psychology** .......................................................... 3
- **Free Electives** .................................................................................................... 13

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

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

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

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

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

### Required Core Courses – Non-HHS
These courses are intended to support students’ preparation in the sciences and better prepare them for healthcare careers or entry into professional degree programs.

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

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

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