

Human Health Sciences

College of 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 four options for students' interested 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 the *2017-2018 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 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**

Core Requirements for All HHS Tracks

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 Laboratory to Accompany General Chemistry II 2

CLA 131 Medical Terminology from Greek and Latin 3

PHY 211 General Physics 5

PHY 213 General Physics 5

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 351 Health Services Administration 3

HHS 405 Epidemiology and Biostatistics 3

HHS 454 Research in Human Health Sciences 3

HHS 356 Seminar in Interprofessional Healthcare: Part 1: Global Context 1

HHS 453 Cultural Competence in Healthcare 3

HHS 362 Interdisciplinary Health Advocacy 1

HHS 353 Ethics in Healthcare 3

HHS 357 Seminar in Interprofessional Healthcare:

Part 2: Community Engagement 1

HHS 361 Healthcare Quality and Patient Safety 3

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HHS 362 Interdisciplinary Health Advocacy	1
HHS 443 Health Information Management	3
CNU 503 Nutrition for Health Professions	1-2
Subtotal: HHS Core	59

Preprofessional Selectives/Electives

ANA 209 Principles of Human Anatomy	3
BCH 401G Fundamentals of Biochemistry	3
BIO 208 Principles of Microbiology	
or	
BIO 308 General Microbiology	3
BIO 209 Introductory Microbiology Laboratory	2
BIO 302 Introduction to Neuroscience	3
BIO 304 Principles of Genetics	4
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
CLM 501 Practicum in Clinical Leadership and Management	3
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
ECO 201 Principles of Economics I	3
HHS 450 Introduction to Dentistry	3
HHS 451 Introduction to Medicine	2
KHP 415 Biomechanics of Human Movement	4
PGY 206 Elementary Physiology	3
PSY 223 Developmental Psychology	3
HHS 400G Nutrition for Physical Activity, Injury Prevention, and Rehabilitation	2
HHS 402G Muscle Biology	3
Subtotal: Selectives/Electives	28

**Pre-Professional Requirements vary by track. All remaining credit hours are free elective. Students will work closely with advisors for course selection.*

Selective/Elective Courses by Program

Dentistry Track

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
BCH 401G Fundamentals of Biochemistry	3
BIO 208 Principles of Microbiology	
or	
BIO 308 General Microbiology	3
BIO 209 Introductory Microbiology Laboratory	2
Free Electives	9
Subtotal:	28

Pharmacy Track

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
BIO 208 Principles of Microbiology	
or	
BIO 308 General Microbiology	3
BIO 209 Introductory Microbiology Laboratory	2
ANA 209 Principles of Human Anatomy	3
ECO 201 Principles of Economics I	3
Free Electives	9
Subtotal:	28

Physical Therapy Track

PSY 223 Developmental Psychology	3
BIO 304 Principles of Genetics	4
Free Electives	21
Subtotal:	28

Physician Assistant Track

CHE 230 Organic Chemistry I	3
CHE 231 Organic Chemistry Laboratory I	1
BIO 208 Principles of Microbiology	
or	
BIO 308 General Microbiology	3
BIO 209 Introductory Microbiology Laboratory	2
ANA 209 Principles of Human Anatomy	3
BCH 401G Fundamentals of Biochemistry	3
HHS 451 Introduction to Medicine	2
PGY 206 Elementary Physiology	3
PSY 223 Developmental Psychology	3
Free Electives	5
Subtotal:	28

Audiology Track

CSD 378 Anatomy and Physiology of Speech	3
CSD 491 Audiology	3
CSD 571 Neural Bases of Speech, Language, and Hearing	3
CSD 402 Speech and Hearing Science	3
CSD 591 Aural Rehabilitation	3
Free Electives	13
Subtotal:	28

Occupational Therapy Track

ANA 209 Principles of Human Anatomy	3
KHP 415 Biomechanics of Human Movement	4
BIO 302 Introduction to Neuroscience	3
CLM 501 Practicum in Clinical Leadership and Management	3
PGY 206 Elementary Physiology	3
Free Electives	12
Subtotal:	28

Optometry Track

CHE 230 Organic Chemistry I	3
CHE 231 Organic Chemistry Laboratory I	1
BIO 208 Principles of Microbiology	
or	
BIO 308 General Microbiology	3
BIO 209 Introductory Microbiology Laboratory	2
ANA 209 Principles of Human Anatomy	3
BCH 401G Fundamentals of Biochemistry	3
PSY 223 Developmental Psychology	3
Free Electives	10
Subtotal:	28

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.

Prerequisite Courses Unique to Each Option

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

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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).

General Electives

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