

# HEALTH AND HUMAN SCIENCES, B.S.

The Health and Human Sciences major offers specialized programs to provide prerequisite training for graduate programs or careers in such fields as: physical therapy, occupational therapy, physician assistant, nursing, public health, exercise science, and entry-level graduate programs in athletic training.

## Current LMU Students Interested in Transferring to the Department of Health and Human Sciences

Students who are currently enrolled in another major at LMU but are interested in changing their major to HHSC are encouraged to apply during their first year at LMU. Students are asked to state their interest in HHSC by completing an application available from the department chairperson. In addition, students will need to complete MATH 122 Calculus for the Life Sciences I and CHEM 110 General Chemistry I with a minimum grade of C (2.0) in each class and have a minimum cumulative GPA of 3.0. Attainment of minimum requirements may not always be sufficient to secure approval of transfer request. The evaluation process will take place during the Fall and Spring semesters with students being informed once the evaluation process has been completed.

## Bachelor of Science (B.S.) in Health and Human Sciences

The Health and Human Sciences major offers specialized programs to provide prerequisite training for graduate programs or careers in such fields as: physical therapy, occupational therapy, physician assistant, nursing, public health, exercise science, and entry-level graduate programs in athletic training.

## Student Learning Outcomes

1. Student will demonstrate an understanding and knowledge in lower division Health and Human Sciences course, regarding the human body and the foundations of the human body.
2. Students will demonstrate effective communication and interpersonal skills on topics in human health and wellness amongst diverse individuals at the institutional setting as well as the allied health care setting.
3. Students will demonstrate an appreciation and application of the mission of the university and the department, as well as to ethics of health and human science related careers.
4. Students will demonstrate mastery and application of knowledge in upper division Health and Human Science courses.

## Major Requirements

In order to graduate, a student must have a C (2.0) average in the lower division science courses and a C (2.0) average in the upper division science courses.

Code	Title	Semester Hours
<b>Lower Division Requirements</b>		
BIOL 101	General Biology I	3

BIOL 111	General Biology I Lab	2
BIOL 216	Medical Microbiology	3
CHEM 110	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
CHEM 112	General Chemistry II	3
CHEM 113	General Chemistry II Lab	1
HHSC 1550	Human Anatomy and Physiology I	3
HHSC 1556	Human Anatomy and Physiology I Laboratory	1
HHSC 1900	Exploring Health and Human Sciences Seminar	1
HHSC 1910	Medical Terminology	2
HHSC 2300	Nutrition	3
HHSC 2550	Human Anatomy Physiology II	3
HHSC 2556	Human Anatomy and Physiology II Laboratory	1
MATH 122	Calculus for the Life Sciences I	3
MATH 205	Applied Statistics	4
PHYS 2500	General Physics I	4
PHYS 2550	General Physics II	4
PSYC 1000	General Psychology	4
<b>Subtotal</b>		<b>49</b>

### Upper Division Requirements

A total of 30 upper division semester hours are required: 26 semester hours of upper division HHSC and 4 upper-division semester hours of PSYC must be completed. Within the 26 semester hours of HHSC, students need to complete:

HHSC 3750 Exercise Physiology and Exercise Physiology  
and HHSC 3756 Laboratory

One course in the upper-division HHSC Health Equity, Diversity, and Justice category<sup>1</sup>

One additional UD HHSC laboratory course

HHSC 3950 Allied Health Internship I

Select two semester hours from one or both of the following:

HHSC 3970 Allied Health Internship II<sup>2</sup>

HHSC 3999 Independent Studies<sup>3</sup>

PSYC 3038 Psychopathology

or PSYC 3052 Lifespan Development

**Subtotal** 30

**Total Semester Hours** 79

1

includes one course between HHSC 3100 Health Services for Marginalized Populations and HHSC 3199

2

HHSC 3970 is offered as a variable unit course whereby 1-5 semester hours can be taken in any one semester. A maximum of 5 semester hours of HHSC 3970 can be completed for credit at LMU.

3

Independent studies in the form of research directed by an HHSC Faculty member

A maximum of 6 semester hours of independent study coursework may count in the upper division major category. This includes any HHSC course between the numbers of HHSC 3900 Health and Human Sciences Teaching and HHSC 3999 Independent Studies, except HHSC 3998 Special Studies.

One course outside of HHSC may be used to complete the 26 semester hours of upper division HHSC with approval of the Department Chair.

A student must have a C (2.0) average in upper division science courses.

B.S. Degree in Health and Human Sciences  
(122 S.H.)

Course	Title	Semester Hours
First Year		
Fall		
HHSC 1900	Exploring Health and Human Sciences Seminar	1
HHSC 1910	Medical Terminology	2
BIOL 101	General Biology I	3
BIOL 111	General Biology I Lab	2
CHEM 110	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
FFYS 1000	First Year Seminar	4
ORNT 1000	First Year Forum	0
Semester Hours		16
Spring		
HHSC 1550	Human Anatomy and Physiology I	3
HHSC 1556	Human Anatomy and Physiology I Laboratory	1
CHEM 112	General Chemistry II	3
CHEM 113	General Chemistry II Lab	1
MATH 122	Calculus for the Life Sciences I	3
RHET 1000	Rhetorical Arts	3-4
Semester Hours		14-15
Sophomore Year		
Fall		
HHSC 2550	Human Anatomy Physiology II	3
HHSC 2556	Human Anatomy and Physiology II Laboratory	1
MATH 205	Applied Statistics	4
PHYS 2500	General Physics I	4
University Core		4
Dean's List requires a minimum of 14 semester hours.		
Semester Hours		16
Spring		
BIOL 216	Medical Microbiology	3
HHSC 2300	Nutrition	3
PHYS 2550	General Physics II	4
PSYC 1000	General Psychology	4
Dean's List requires a minimum of 14 semester hours.		
Semester Hours		14
Junior Year		
Fall		
HHSC 3750	Exercise Physiology	3
HHSC 3756	Exercise Physiology Laboratory	1
HHSC 3950	Allied Health Internship I	1
HHSC Upper-Division course		3
PSYC 3038 or PSYC 3052	Psychopathology or Lifespan Development	4
University Core		4
Dean's List requires a minimum of 14 semester hours.		
Semester Hours		16
Spring		
HHSC 3100 - 3199 Health Equity, Diversity, and Justice Course		3
Select one or both of the following:		2
HHSC 3970	Allied Health Internship II	

HHSC 3999	Independent Studies	
HHSC Upper-Division Course		3
University Core		4
Upper-Division Elective		3
Dean's List requires a minimum of 14 semester hours.		
Semester Hours		15
Senior Year		
Fall		
HHSC Upper-Division with Lab		4
HHSC Upper-Division		3
Upper-Division University Core		4
Upper-Division Elective		4
Semester Hours		15
Spring		
HHSC Upper-Division		3
Upper-Division University Core		4
Elective		4
Elective		4
Semester Hours		15
Minimum Semester Hours		121-122

Note:  
Total minimum 122 semester hours

\*\* A core course may be required to satisfy the 32-semester-hour science major core requirement.

The proper sequence of the University Core courses should be discussed with the student's advisor. The course sequence in Mathematics depends on the results of the Mathematics Placement Examination.