

UNIVERSITY STUDIES (B.S.) HEALTH SCIENCES CONCENTRATION

Degree: Bachelor of Science

Major: University Studies

Concentration: Health Sciences

Total Hours: 120

Concentration Overview

The Health Sciences concentration allows students to explore select health sciences including Biology, Psychology, Sociology, and Social Work. Depending on the student's interest, this degree can be tailored to include courses required for entry into Lamar University's Nursing program. Students interested in using this degree as a foundation for graduate/professional school should consult their advisor(s) for methods to align coursework options for specific programs of advanced study.

Degree Requirements

120 semester hours minimum; 2.000 cumulative GPA minimum.

- 42 hours within general education core curriculum
 - Earning a letter grade of C or better in ENGL 1301 Composition I and ENGL 1302 Composition II is strongly encouraged.
- 36 hours within general electives block
 - Students intending to enter the pre-Nursing program must opt into the pre-Nursing track, which is shared with the general electives block.
- 42 hours within advanced electives block
 - All courses applied to the advanced electives block must have a letter grade of C or better.
 - A minimum of 12 hours of senior (4000) level coursework is required within the advanced electives block.
 - AASC 3301 Lifelong Learning and Portfolio Development, AASC 4301 Senior Seminar, and ENGL 3311 Professional Writing (or ENGL 3310 Technical Report Writing with approval) are required courses for the advanced electives block. Prerequisites for AASC 3301 Lifelong Learning and Portfolio Development include both ENGL 1301 Composition I and ENGL 1302 Composition II.
 - Students declare a primary, a secondary, and a tertiary academic area; 12 hours are required for the primary and secondary areas while only 9 hours are required for the tertiary area. As early as possible, students should discuss their selection of academic areas and courses within each declared area with their academic advisors so that students are aware of course prerequisites, course rigor, course rotation/modality, etc.
 - Academic areas and their respective course options are listed here:
 - Medical Biology: BIOL 3428 Comparative Anatomy, BIOL 3440 Advanced Physiology, BIOL 3470 Genetics, BIOL 4303 Medical Microbiology, BIOL 4404 Molecular Biology, BIOL 4405 Immunology, BIOL 4410 Parasitology, BIOL 4411 Biomedical Technology and Applications, BIOL 4413 Medical Neuroscience, BIOL 4470 Cell Biology/Histology,

BIOL 4490 Comparative Physiology; BIOL 4101 Special Topics, BIOL 4201 Special Problems in Biology, BIOL 4300 Undergraduate Problems, and BIOL 4301 Biology Special Topics—can be considered when the topic is degree related.

- Psychology: PSYC 3320 Psychology of Personality, PSYC 3330 Psychology of Social Interaction, PSYC 3340 Industrial Psychology, PSYC 3370 Child & Adolescent Psychology, PSYC 3390 Positive Psychology, PSYC 4301 Special Topics, PSYC 4310 Sensation and Perception, PSYC 4320 Abnormal Psychology, PSYC 4360 Learning and Cognition, PSYC 4380 Behavioral Neuroscience, PSYC 4390 Psychopharmacology.
- Social Work: Two required SOWK 4320 Seminar—(topics to be selected by student) and choice among SOWK 3300 Human Behavior in the Social Environment I, SOWK 3320 Human Behavior in the Social Environment II, SOWK 3340 Soc Welfare Policy & Services, and SOWK 3360 Promoting Social Justice.
- Health Sociology: SOCI 3311 Medical Sociology, SOCI 4310 Population Problems, SOCI 4325 Aging Population and Health, SOCI 4335 Global Health Disparity, SOCI 4342 Epidemiology and Global Health; SOCI 4300 Seminar in Sociology—can be considered when the topic is degree related

Code	Title	Hours
General Education Core Curriculum		
<i>Communication</i>		
ENGL 1301	Composition I	3
ENGL 1302	Composition II	3
<i>Mathematics</i>		
MATH 1314	College Algebra(Non-Calculus)	3
MATH 1316	Trigonometry	
MATH 1324	Mathematics for Business and Social Sciences	
MATH 1332	Contemporary Mathematics I	
MATH 1342	Statistics	
MATH 2311	Precalculus I	
MATH 2312	Pre Calculus and Elementary Functions	
MATH 2413	Calculus and Analytical Geometry I	
MATH 2414	Calculus and Analytical Geometry II	
<i>Life and Physical Science</i>		
Select two of the following:		6
BIOL 1406	General Biology I (Majors)	
BIOL 1407	General Biology II (Majors)	
BIOL 2401	Anatomy and Physiology I	
BIOL 2402	Anatomy and Physiology II	
GEOL 1403	Geology I: Physical Geology	
GEOL 1404	Geology II: Historical Geology	
PHYS 1401	College Physics I	
PHYS 1402	College Physics II	
PHYS 1405	Elementary Physics I	
PHYS 1407	Elementary Physics II	
PHYS 1411	Intro Astronomy	
SPSC 1401	Space Science	
<i>Language, Philosophy and Culture</i>		
PHIL 1370	Philosophy of Knowledge	3

PHIL 2306	Ethics	
DSDE 1374	Introduction to Deaf Studies	
ENGL 2300	Close Reading II	
ENGL 2322	British Literature	
ENGL 2326	American Literature	
ENGL 2331	World Literature	
ENGL 2376	African-American Literature	
FREN 2312	Intermediate French II	
SPAN 2312	Intermediate Spanish II	
Creative Arts		
Select one of the following:		3
ARTS 1301	Art Appreciation	
ARTS 1303	Art History I	
DANC 2304	Dance Appreciation	
MUSI 1306	Music Appreciation	
COMM 1375	Film Appreciation	
COSC 1324	The Art of Computer Game Development	
MUSI 1306	Music Appreciation	
MUSI 1309	Jazz History and Appreciation	
MUSI 1310	History of Rock and Roll	
PHIL 1330	Arts and Ideas	
THEA 1310	Theatre Appreciation	
American History		
Select two of the following:		6
HIST 1301	U S History I 1763-1877	
HIST 1302	U S History II Since 1877	
HIST 2301	Texas History	
Government/Political Science		
POLS 2301	Intro to American Government I	3
POLS 2302	Intro/American Government II	3
Social and Behavioral Science		
Select one of the following:		3
ANTH 2346	Introduction to Anthropology	
ANTH 2351	Cultural Anthropology	
BULW 1370	Business Environment and Public Policy	
CRIJ 1301	Intro to Criminal Justice	
ECON 1301	Principles and Policies	
ECON 2301	Principles of Economics I Macro	
ECON 2302	Principles of Economics II Micro	
FINC 2310	Intro to Consumer Finance	
INEN 2373	Engineering Economics	
POLS 1301	Intro to Political Science	
PSYC 2301	General Psychology	
PSYC 2315	Lifespan Development	
SOCI 1301	Introduction to Sociology	
SOWK 2361	Intro Social Work	
Component Area Options		
Complete six unique hours from other core curriculum areas		6
Required Courses		
AASC 3301	Lifelong Learning and Portfolio Development	3
AASC 4301	Senior Seminar	3
ENGL 3311	Professional Writing	3

Elective Courses		
36 credit hours in 1000:4999		36
Advanced Elective Courses		
Academic Areas		
Select three areas from the following: ¹		33
Medical Biology		
BIOL 3428	Comparative Anatomy	
BIOL 3440	Advanced Physiology	
BIOL 3470	Genetics	
BIOL 4303	Medical Microbiology	
BIOL 4404	Molecular Biology	
BIOL 4405	Immunology	
BIOL 4410	Parasitology	
BIOL 4411	Biomedical Technology and Applications	
BIOL 4413	Medical Neuroscience	
BIOL 4470	Cell Biology/Histology	
BIOL 4490	Comparative Physiology	
BIOL 4101	Special Topics	
BIOL 4201	Special Problems in Biology	
BIOL 4300	Undergraduate Problems	
BIOL 4301	Biology Special Topics (When topic applies.)	
Psychology		
PSYC 3320	Psychology of Personality	
PSYC 3330	Psychology of Social Interaction	
PSYC 3340	Industrial Psychology	
PSYC 3370	Child & Adolescent Psychology	
PSYC 3390	Positive Psychology	
PSYC 4310	Sensation and Perception	
PSYC 4320	Abnormal Psychology	
PSYC 4360	Learning and Cognition	
PSYC 4380	Behavioral Neuroscience	
PSYC 4390	Psychopharmacology	
PSYC 4301	Special Topics (When topic applies)	
Social Work		
SOWK 4320	Seminar ²	
SOWK 3300	Human Behavior in the Social Environment I	
SOWK 3320	Human Behavior in the Social Environment II	
SOWK 3340	Soc Welfare Policy & Services	
SOWK 3360	Promoting Social Justice	
Health Sociology		
SOCI 3311	Medical Sociology	
SOCI 4310	Population Problems	
SOCI 4325	Aging Population and Health	
SOCI 4335	Global Health Disparity	
SOCI 4342	Epidemiology and Global Health	
SOCI 4300	Seminar in Sociology (When topic applies.)	
Total Hours		120

¹ As early as possible, students should discuss their selection of academic areas with their academic advisor.

² Student must take six hours of SOWK 4320 Seminar. Topics must vary.

Course	Title	Hours	Electives	3
First Year			<hr/>	
			Hours	15
			<hr/>	
			Total Hours	120
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Fall				
ENGL 1301	Composition I	3		
Mathematics Core		3		
American History Core		3		
Social & Behavioral Sciences Core		3		
Life & Physical Science Core		3		
Hours		15		
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Spring				
ENGL 1302	Composition II	3		
Core Component Area		3		
American History Core		3		
Electives		3		
Life & Physical Science Core		3		
Hours		15		
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Second Year				
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Fall				
Political Science Core		3		
Creative Arts Core		3		
Language, Philosophy, & Culture Core		3		
Electives		3		
Electives		3		
Hours		15		
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Spring				
Political Science Core		3		
Communications Core		3		
Electives		3		
Electives		3		
Electives		3		
Hours		15		
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Third Year				
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Fall				
AASC 3301	Lifelong Learning and Portfolio Development	3		
Primary Concentration Course		3		
Secondary Concentration Course		3		
Tertiary Concentration Course		3		
Electives		3		
Hours		15		
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Spring				
ENGL 3311	Professional Writing	3		
Primary Concentration Course		3		
Secondary Concentration Course		3		
Tertiary Concentration Course		3		
Electives		3		
Hours		15		
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Fourth Year				
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Fall				
Primary Concentration Course		3		
Secondary Concentration Course		3		
Tertiary Concentration Course		3		
Electives		3		
Electives		3		
Hours		15		
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Spring				
AASC 4301	Senior Seminar	3		
Primary Concentration Course		3		
Secondary Concentration Course		3		
Electives		3		