## **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 Career and Communication Strategies, AASC 4301 Personal Productivity, 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 Career and Communication Strategies 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 Educatio	n Core Curriculum	
Communication		
ENGL 1301	Composition I	3
ENGL 1302	Composition II	3
Mathematics		
MATH 1342	Elementary Statistical Methods	3
Life and Physical	Science	
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	
Language, Philoso	pphy and Culture	3
DSDE 1374	Introduction to Deaf Studies	
FREN 2312	Intermediate French II	
ENGL 2300	Ethics and Literature	
ENGL 2322	British Literature	
ENGL 2326	American Literature	
ENGL 2331	World Literature	
ENGL 2376	African-American Literature	
PHIL 1370	Philosophy of Knowledge	
PHIL 2306	Ethics	
SPAN 2312	Intermediate Spanish II	
Creative Arts		

Select one of the		3	BIOL 4405	Immunology
ARTS 1301	Art Appreciation		BIOL 4410	Parasitology
ARTS 1303	Art History I		BIOL 4411	Biomedical Technology and Applications
DANC 2303	Dance Appreciation		BIOL 4413	Medical Neuroscience
MUSI 1306	Music Appreciation		BIOL 4470	Cell Biology/Histology
COMM 1375	Film Appreciation		BIOL 4490	Comparative Physiology
COSC 1324	The Art of Computer Game Development		BIOL 4101	Special Topics
MUSI 1309	Jazz History and Appreciation		BIOL 4201	Special Problems in Biology
MUSI 1310	History of Rock and Roll		BIOL 4300	Undergraduate Problems
PHIL 1330	Arts and Ideas		BIOL 4301	Biology Special Topics (When topic applies.)
THEA 1310	Theatre Appreciation		Psychology	
American History	/		PSYC 3320	Psychology of Personality
Select two of the	e following:	6	PSYC 3330	Psychology of Social Interaction
HIST 1301	U S History I 1763-1877		PSYC 3340	Industrial Psychology
HIST 1302	U S History II Since 1877		PSYC 3360	Psychological Tests & Measure
HIST 2301	Texas History		PSYC 3370	Child & Adolescent Psychology
Government/Po	litical Science		PSYC 3390	Positive Psychology
POLS 2301	Intro to American Government I	3	PSYC 4310	Sensation and Perception
POLS 2302	Intro/American Government II	3	PSYC 4320	Abnormal Psychology
Social and Behav	vioral Science		PSYC 4330	Experimental Psychology
Select one of the	e following:	3	PSYC 4360	Learning and Cognition
ANTH 2346	Introduction to Anthropology		PSYC 4380	Behavioral Neuroscience
ANTH 2351	Cultural Anthropology		PSYC 4390	Psychopharmacology
BULW 1370	Business Environment and Public Policy		PSYC 4301	Special Topics (When topic applies)
CRIJ 1301	Intro to Criminal Justice		Social Work	
ECON 1301	Principles and Policies		SOWK 4320	Seminar <sup>2</sup>
ECON 2301	Principles of Economics I Macro		SOWK 3300	Human Behavior in the Social Environment I
ECON 2302	Principles of Economics II Micro		SOWK 3320	Human Behavior in the Social Environment II
FINC 2310	Intro to Consumer Finance		SOWK 3340	Soc Welfare Policy & Services
INEN 2373	Engineering Economics		SOWK 3360	Promoting Social Justice
POLS 1301	Intro to Political Science		Health Sociol	-
PSYC 2301	General Psychology		SOCI 3311	Medical Sociology
PSYC 2315	Lifespan Development		SOCI 4310	Population Problems
SOCI 1301	Introduction to Sociology		SOCI 4325	Aging Population and Health
SOWK 2361	Intro Social Work		SOCI 4335	Global Health Disparity
Component Area			SOCI 4342	Epidemiology and Global Health
,	ique hours from other core curriculum areas	6	SOCI 4300	Seminar in Sociology (When topic applies.)
Required Course			Total Hours	1
AASC 3301	Lifelong Learning and Portfolio Development	3	Total Hours	1
AASC 4301	Senior Seminar	3	<sup>1</sup> As early as pos	ssible, students should discuss their selection of
ENGL 3311	Professional Writing	3		as with their academic advisor.
Elective Courses		0	<sup>2</sup> Student must 1	take six hours of SOWK 4320 Seminar. Topics must va
36 credit hours i		36		
Advanced Electi		50	First Year	
Academic Areas			Fall	Но
	as from the following: <sup>1</sup>	33	ENGL 1301 American History	Composition I
		55	Social & Behavioral So	ciences
Medical Biolo BIOL 3428			Life & Physical Scienc	
BIOL 3428 BIOL 3440	Comparative Anatomy Advanced Physiology		Electives	
				Hours
BIOL 3470	Genetics		Spring	
BIOL 4303	Medical Microbiology		Life & Physical Scienc	
BIOL 4404	Molecular Biology		ENGL 1302	Composition II

American History 3   Electives 3   Electives 3   Second Year 15   Fall 3   MATH 1342 Elementary Statistical Methods 3   Political Science 3   Language, Philosophy, & Culture 3   Creative Arts 3   Electives 3   Forms 3   Electives 3   Political Science 3   Communications 3   Electives 3   Communications 3   Electives 9   Hours 15   String 3   Political Science 3   Communications 3   Electives 9   Hours 15   String 3   Primary Concentration Course 3   Secondary Concentration Course 3   Iteletives 3   Electives 3   Spring 3   Electives 3   Secondary Concentration Course 3   Spring 3   Electives 3   Electives 3   Spring 3   Electives <td< th=""></td<>
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Fall   MATH 1342   Elementary Statistical Methods   3     Political Science   3   3     Language, Philosophy, & Culture   3   3     Creative Arts   3   3     Electives   3   3     Folitical Science   3   3     Political Science   3   3     Political Science   3   3     Communications   3   3     Electives   9   3     Third Year   15   3     Fall   15   3     ASC 3301   Lifelong Learning and Portfolio Development   3     Primary Concentration Course   3   3     Secondary Concentration Course   3   3     Electives   3   3     Electives   3   3     Foring   3   3     Foring   3   3     Primary Concentration Course   3   3     Spring   3   3     ENGL 3311   Professional Writing   3     Primary Concentration Course   3   3
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Hours 15
Fourth Year
Fall
Primary Concentration Course 3
Secondary Concentration Course 3
Tertiary Concentration Cours 3
Electives 3
Electives 3
Hours 15
Spring
AASC 4301 Senior Seminar 3
Primary Concentration Course 3
Secondary Concentration Course 3
Electives 3
Electives 3
Hours 15
Total Hours 120