

BS in Public Health: Health Science (662545) MAP Sheet

Life Sciences, Health Science

For students entering the degree program during the 2017-2018 curricular year.



University Core and Graduation Requirements				Suggested Sequence of Courses			
University Core Requirements:				FRESHMAN YEAR			
Requirements	#Classes	Hours	Classes	<u>1st Semester</u>		JUNIOR YEAR	
Religion Cornerstones				1st Year Writing OR A HTG 100	3.0	<u>5th Semester</u>	
Teachings and Doctrine of The Book of Mormon	1	2.0	REL A 275	HLTH 100	1.0	CHEM 481	3.0
Jesus Christ and the Everlasting Gospel	1	2.0	REL A 250	Religion Cornerstone course	2.0	HLTH 311	3.0
Foundations of the Restoration	1	2.0	REL C 225	PDBIO 120	3.0	PDBIO 305 (or PDBIO 362 and 363)	4.0
The Eternal Family	1	2.0	REL C 200	CHEM 105	4.0	Religion Elective	2.0
The Individual and Society				Global & Cultural Awareness elective	3.0	Arts or Letters elective	3.0
American Heritage	1-2	3-6.0	from approved list	Quantitative Reasoning elective (if needed)	0-3.0	Total Hours	15.0
Global and Cultural Awareness	1	3.0	from approved list	Total Hours	16-19.0	<u>6th Semester</u>	
Skills				<u>2nd Semester</u>		PHSCS 106 and 108	4.0
First Year Writing	1	3.0	from approved list	1st Year Writing OR A HTG 100	3.0	STDEV 470	2.0
Advanced Written and Oral Communications	1	3.0	ENGL 315 or 316 recomm.	HLTH 330	3.0	HLTH 322	3.0
Quantitative Reasoning	0-1	0-3.0	from approved list	CHEM 106 and 107	4.0	PWS 340 (FWSp)	3.0
Languages of Learning (Math or Language)	1	3.0	STAT 121 recommended	PDBIO 220 or 210	3.0	Religion Elective	2.0
Arts, Letters, and Sciences				Religion Cornerstone course	2.0	Total Hours	14.0
Civilization 1	1	3.0	from approved list	Total Hours	15.0	SENIOR YEAR	
Civilization 2	1	3.0	from approved list	SOPHOMORE YEAR		<u>7th Semester</u>	
Arts	1	3.0	from approved list	<u>3rd Semester</u>		HLTH 345	3.0
Letters	1	3.0	from approved list	Languages of Learning(STAT 121 recommended)	3.0	HLTH 335	3.0
Biological Science	1	3.0	MMBIO 240*	MMBIO 240 & 241	4.0	Religion elective	2.0
Physical Science	2	7.0	CHEM 105* and PHSCS 105* or 121*	Religion Cornerstone course	2.0	ENGL 315 or 316 (Adv. Written/Oral Comm)	3.0
Social Science	1	3.0	from approved list	CHEM 351	3.0	Civ 1 elective	3.0
Core Enrichment: Electives				HLTH 434	3.0	Total Hours	14.0
Religion Electives	3-4	6.0	from approved list	Total Hours	15.0	<u>8th Semester</u>	
Open Electives	Variable	Variable	personal choice	<u>4th Semester</u>		HLTH 447	3.0
*THESE COURSES FILL BOTH UNIVERSITY CORE AND PROGRAM REQUIREMENTS				HLTH 310	3.0	General electives	6.0
Graduation Requirements:				HLTH 439	3.0	Civ 2 elective	3.0
Minimum residence hours required		30.0		CHEM 352 and 353	5.0	Social Science elective	3.0
Minimum hours needed to graduate		120.0		Religion Cornerstone course	2.0	Total Hours	15.0
				Arts or Letters elective	3.0		
				Total Hours	16.0		
				<u>Spring/Summer</u>			
				PHSC 105 and 107	4.0		
				HLTH 496R	3.0		
				Total Hours	7.0		
				*Public Health Internship after sophomore year. Student must have taken Hlth 100, 310, 330, 434, and 439.			
				Please check with departments for current availability of all courses.			
				Note: Students are encouraged to complete an average of 15 credit hours each semester or 30 credit hours each year, which could include spring and/or summer terms. Taking fewer credits substantially increases the cost and the number of semesters to graduate.			

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2017-2018 Program Requirements (63 - 65 Credit Hours)

<p>REQUIREMENT 1 Complete 10 courses NOTE: PHSCS 106 SHOULD BE TAKEN BEFORE OR CONCURRENTLY WITH PHSCS 108.</p> <p>HLTH 100 - Introduction to Public Health 1.0 HLTH 310 - Chronic Diseases: Prevention and Control 3.0 HLTH 311 - Infectious Diseases: Prevention and Control 3.0 HLTH 322 - Environmental Health 3.0 HLTH 330 - Principles and Practices of Health Promotion 3.0 HLTH 335 - Health Behavior Change 3.0 HLTH 345 - Principles of Epidemiology 3.0 HLTH 434 - Evaluation Methods 3.0 HLTH 439 - Program Planning 3.0 HLTH 447 - Introduction to Biostatistics 3.0</p> <p>REQUIREMENT 2 Complete 1 option</p> <p>OPTION 2.1 Complete 3.0 hours from the following course(s) COMPLETE THREE CREDIT HOURS (42 HOURS PER CREDIT) OF THE FOLLOWING:</p> <p>HLTH 496R - Academic Internship 9.0v</p> <p>Note 1: Prior to taking Hlth 496R, the student must complete Hlth 100, 310, 330, 434, and 439 with a C- grade or higher.</p> <p>Note 2: Internships may have a combination of mentored public health practice experience, research, and/or humanitarian service elements.</p> <p>REQUIREMENT 3 Complete 1 option COMPLETE ONE OF THE FOLLOWING CHEMISTRY OPTIONS:</p> <p>OPTION 3.1 Complete 3 courses</p> <p>OPTION 1:</p> <p>CHEM 105 - General College Chemistry 1 with Lab (Integrated) 4.0 CHEM 106 - General College Chemistry 2 3.0 CHEM 107 - General College Chemistry Laboratory 1.0</p> <p>OPTION 3.2 Complete 3 courses</p> <p>OPTION 2:</p> <p>CHEM 111 - Principles of Chemistry 1 4.0 CHEM 112 - Principles of Chemistry 2 3.0 CHEM 113 - Introductory General Chemistry Laboratory 2.0</p> <p>REQUIREMENT 4 Complete 3 courses NOTE: MUST TAKE 2 CREDIT HOURS OF CHEM 353 IF PRE-PROFESSIONAL.</p> <p>CHEM 351 - Organic Chemistry 1 3.0 CHEM 352 - Organic Chemistry 2 3.0 CHEM 353 - Organic Chemistry Laboratory--Nonmajors 2.0v</p>	<p>REQUIREMENT 5 Complete 3 courses</p> <p>*MMBIO 240 - Molecular Biology 3.0 MMBIO 241 - Molecular and Cellular Biology Laboratory 1.0 PDBIO 120 - Science of Biology 3.0</p> <p>REQUIREMENT 6 Complete 2 options</p> <p>OPTION 6.1 Complete 1 course</p> <p>PDBIO 210 - Human Anatomy (with virtual lab) 3.0 PDBIO 220 - Human Anatomy (with lab) 3.0</p> <p>OPTION 6.2 Complete 1 course</p> <p>PDBIO 305 - Human Physiology 4.0</p> <p>REQUIREMENT 7 Complete 1 option COMPLETE ONE OF THE FOLLOWING PHYSICS OPTIONS:</p> <p>OPTION 7.1 Complete 2 courses</p> <p>OPTION 1:</p> <p>PHSCS 105 - General Physics 1 3.0 PHSCS 107 - General Physics Lab 1 1.0</p> <p>OPTION 7.2 Complete 2 courses</p> <p>OPTION 2:</p> <p>PHSCS 107 - General Physics Lab 1 1.0 PHSCS 121 - Introduction to Newtonian Mechanics 3.0</p> <p>RECOMMENDED</p> <p>MCAT PREP COURSE (IF TAKING MCAT)</p> <p>CHEM 481M - Biochemistry--Majors 3.0 HLTH 481 - Applied International Health 3.0v HLTH 492R - Directed Public Health Readings 3.0v PDBIO 325 - Tissue Biology (with lab) 3.0 PDBIO 360 - Cell Biology 3.0 PDBIO 362 - Advanced Physiology 3.0 PDBIO 363 - Advanced Physiology Laboratory 1.0 PDBIO 365 - Pathophysiology 4.0 PHSCS 106 - General Physics 2 3.0 PHSCS 108 - General Physics Lab 2 1.0 PWS 340 - Genetics 3.0</p> <p>THE DISCIPLINE:</p> <p>Public health professionals work to create conditions that ensure the health and safety of individuals, families, and communities. Public health students are trained to inform, educate, and empower people about health issues; mobilize communities to take ownership for their own health; monitor health status</p>	<p>and diagnose and investigate health problems and health hazards; develop policies and laws to protect health and ensure safety; and link people to needed health services. The public health mission is carried out through organized, interdisciplinary efforts that address the physical, mental, and environmental health concerns of communities and populations at risk for disease and injury.</p> <p>Four of several disciplines within public health are represented as emphases within the major: (1) environmental/occupational health identifies and controls factors in the environment (air, water, food, toxins, etc.) or conditions at the workplace which affect health; (2) epidemiology investigates and discovers what causes disease and disability and how diseases are spread or distributed across populations; (3) health promotion facilitates behavior change among individuals and improves population health through policy, advocacy, education, and communication; and (4) health science trains students interested in working in public health after earning an advanced degree in a medical, dental, or other allied health area.</p> <p>CAREER OPPORTUNITIES:</p> <p>Public health is an exciting field of study and a diverse and dynamic profession. It is filled with rewards associated with the pursuit of serving others. The development and delivery of population-based prevention programs will be the key to major advances in health improvement in the 21st century. Public health will continue to be called upon to monitor and assess health problems, prevent and control diseases and injuries, and protect the health of communities and worksites from various environmental and occupational risks associated with man-made and natural disasters and emergencies.</p> <p>With the appropriate practice experiences, public health graduates have increased qualifications to work in governmental health agencies on the local, state, federal, and international levels. Private-sector employment can be found in a variety of businesses, community health agencies, managed care organizations, hospitals, clinics, research institutes, voluntary health agencies, and nongovernmental organizations. Opportunities for employment in public health are available, but recruiters will not typically come to campus to hire graduates. This means graduates must be organized and proactive in their career planning. Students can increase the likelihood of obtaining a position by balancing classroom</p>
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activities with voluntary or paid service to public health agencies. Obtaining certifications related to specific tracks within the major and careful development of a professional portfolio enhance employment opportunities.

While there are many specialties or disciplines in public health, most career opportunities are found in the tracks associated with the major. Entry-level salaries with a bachelor's degree in public health will range from approximately \$35,000-\$60,00 but will vary significantly depending upon the specific discipline, type of organization, and geographic location.

For more information on careers in your major, please refer to From Major to Career, a publication which is located in all college advisement centers.

This handout is NOT a contract between Brigham Young University and present or prospective students. Although the university makes every effort to ensure the accuracy of this information, it reserves the right to make changes as university business may require. Students should regularly consult their department or college advisement center.

MAP DISCLAIMER

While every reasonable effort is made to ensure accuracy, there are some student populations that could have exceptions to listed requirements. Please refer to the university catalog and your college advisement center/department for complete guidelines.

DEPARTMENT INFORMATION

Health Science Department

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ADVISEMENT CENTER INFORMATION

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