

# BS in Public Health: Environmental/Occupational Health (662542) 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	
<b>University Core Requirements:</b>		
<b>Requirements</b>	<b>#Classes</b>	<b>Hours</b>
<b>Religion Cornerstones</b>		
Teachings and Doctrine of The Book of Mormon	1	2.0
Jesus Christ and the Everlasting Gospel	1	2.0
Foundations of the Restoration	1	2.0
The Eternal Family	1	2.0
<b>The Individual and Society</b>		
American Heritage	1-2	3-6.0
Global and Cultural Awareness	1	3.0
<b>Skills</b>		
First Year Writing	1	3.0
Advanced Written and Oral Communications	1	3.0
Quantitative Reasoning	0-1	0-3.0
Languages of Learning (Math or Language)	1	3.0
<b>Arts, Letters, and Sciences</b>		
Civilization 1	1	3.0
Civilization 2	1	3.0
Arts	1	3.0
Letters	1	3.0
Biological Science	1	3.0
Physical Science	1-2	4-7.0
Social Science	1	3.0
<b>Core Enrichment: Electives</b>		
Religion Electives	3-4	6.0
Open Electives	Variable	Variable
<b>Graduation Requirements:</b>		
Minimum residence hours required		30.0
Minimum hours needed to graduate		120.0
<b>FRESHMAN YEAR</b>		
<u>1st Semester</u>		
1st Year Writing OR A HTG 100		3.0
Religion Cornerstone course		2.0
MATH 110 (Quantitative Reasoning, if needed)		3.0
HLTH 100		1.0
Civilization 1 elective		3.0
Global & Cultural Awareness elective		3.0
<b>Total Hours</b>		<b>15.0</b>
<u>2nd Semester</u>		
1st Year Writing OR A HTG 100		3.0
HLTH 310		3.0
Religion Cornerstone course		2.0
MMBIO 221 & 222 (Biological Science)		4.0
Civilization 2 elective		3.0
<b>Total Hours</b>		<b>15.0</b>
<b>SOPHOMORE YEAR</b>		
<u>3rd Semester</u>		
HLTH 322		3.0
CHEM 105		4.0
Religion Cornerstone course		2.0
Social Science elective		3.0
General elective		3.0
<b>Total Hours</b>		<b>15.0</b>
<u>4th Semester</u>		
HLTH 324		3.0
Religion Cornerstone course		2.0
CHEM 106 & 107		4.0
General elective		6.0
<b>Total Hours</b>		<b>15.0</b>
<b>JUNIOR YEAR</b>		
<u>5th Semester</u>		
HLTH 330		3.0
HLTH 426***		3.0
Major elective		3.0
Languages of Learning elective		3.0
Religion elective		2.0
<b>Total Hours</b>		<b>14.0</b>
***Offered Fall only		
<u>6th Semester</u>		
HLTH 311		3.0
HLTH 345		3.0
Major elective		3.0
Adv. Written & Oral Communication		3.0
Arts or Letters elective		3.0
Religion elective		2.0
<b>Total Hours</b>		<b>17.0</b>
<b>SENIOR YEAR</b>		
<u>7th Semester</u>		
HLTH 420		3.0
HLTH 428***		3.0
Major elective		3.0
Physical Science elective		3.0
Religion elective		2.0
<b>Total Hours</b>		<b>14.0</b>
***Offered FALL only		
<u>8th Semester</u>		
HLTH 422		3.0
HLTH 429**		3.0
General electives		3.0
Arts or Letters elective		3.0
Major elective		3.0
<b>Total Hours</b>		<b>15.0</b>
** Offered WINTER only		
Please check with departments for current availability of all courses.		
***Offered FALL only		
**Offered WINTER only		
<b>Note:</b> 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 (55 Credit Hours)

<p><b>REQUIREMENT 1</b> Complete 16 courses</p> <p>CHEM 105 - General College Chemistry 1 with Lab (Integrated) 4.0</p> <p>CHEM 106 - General College Chemistry 2 3.0</p> <p>CHEM 107 - General College Chemistry Laboratory 1.0</p> <p>HLTH 100 - Introduction to Public Health 1.0</p> <p>HLTH 310 - Chronic Diseases: Prevention and Control 3.0</p> <p>HLTH 311 - Infectious Diseases: Prevention and Control 3.0</p> <p>HLTH 322 - Environmental Health 3.0</p> <p>HLTH 324 - Occupational Health and Safety 3.0</p> <p>HLTH 330 - Principles and Practices of Health Promotion 3.0</p> <p>HLTH 345 - Principles of Epidemiology 3.0</p> <p>HLTH 426 - Fundamentals of Toxicology 3.0</p> <p>HLTH 428 - Sampling and Exposure Assessment Lab 1 3.0</p> <p>HLTH 429 - Sampling and Exposure Assessment Lab 2 3.0</p> <p>*MATH 110 - College Algebra 3.0</p> <p>*MMBIO 221 - General Microbiology 3.0</p> <p>MMBIO 222 - General Microbiology Laboratory 1.0</p> <p><b>REQUIREMENT 2</b> Complete 12.0 hours from the following course(s)</p> <p><b>NOTE: IF HLTH 496R IS CHOSEN, THE STUDENT MUST FIRST COMPLETE HLTH 100, 310, 311, 322, 324, 330, 345, AND 420 WITH A C- GRADE OR HIGHER.</b></p> <p>CHEM 223 - Quantitative and Qualitative Analysis 4.0</p> <p>CHEM 285 - Introductory Bio-organic Chemistry 4.0</p> <p>GEOG 101 - Global Environment: Understanding Physical Geography 3.0</p> <p>GEOG 212 - Introduction to Geographic Information Systems 3.0</p> <p>GEOG 303 - Biogeography 3.0</p> <p>HLTH 420 - Injury and Violence Prevention 3.0</p> <p>HLTH 422 - Disaster Response and Emergency Preparedness 3.0</p> <p>HLTH 481 - Applied International Health 3.0v</p> <p>HLTH 491R - Mentored Research 3.0v</p> <p><i>You may take up to 3 credit hours.</i></p> <p>HLTH 492R - Directed Public Health Readings 3.0v</p> <p><i>You may take up to 3 credit hours.</i></p> <p>HLTH 496R - Academic Internship 9.0v</p> <p><i>You may take this course up to 3 times.</i></p> <p>MMBIO 261 - Infection and Immunity 3.0</p> <p>MMBIO 418 - Medical Parasitology 2.0</p> <p>MMBIO 465 - Virology 3.0</p> <p>NDFS 361 - Food Microbiology 3.0</p> <p>PDBIO 305 - Human Physiology 4.0</p> <p>PDBIO 365 - Pathophysiology 4.0</p> <p>PWS 150 - Environmental Biology 3.0</p> <p><b>RECOMMENDED</b></p>	<p>ENGL 315 - Writing in the Social Sciences 3.0</p> <p>ENGL 316 - Technical Communication 3.0</p> <p>STAT 121 - Principles of Statistics 3.0</p> <p><b>THE DISCIPLINE:</b></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 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><b>CAREER OPPORTUNITIES:</b></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 non-governmental 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 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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p><b>MAP DISCLAIMER</b></p> <p>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.</p>
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## **BS in Public Health: Environmental/Occupational Health (662542)**

**2017-2018**

### **DEPARTMENT INFORMATION**

#### **Health Science Department**

Brigham Young University  
4103 Life Sciences Building  
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### **ADVISEMENT CENTER INFORMATION**

#### **Life Science Student Services**

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