University Core and Graduation Requirements

University Core Requirements:
Requirements # Classes Hours
Religion Cornerstones
Teachings and Doctrine of The Book of Mormon 12.0 REL A 275
Jesus Christ and the Everlasting Gospel 12.0 REL A 250
Foundations of the Restoration 12.0 REL C 225
The Eternal Family 12.0 REL C 200
The Individual and Society
American Heritage 1-2 3-6.0 from approved list
Global and Cultural Awareness 1 3.0 from approved list
Skills
First Year Writing 1 3.0 from approved list
Advanced Written and Oral Communications 13.0 WRTG 315 or 316 recommended
Quantitative Reasoning 0-1 0-3.0 from approved list
Languages of Learning (Math or Language) 13.0 STAT 121* recommended
Arts, Letters, and Sciences
Civilization 1 3.0 from approved list
Civilization 2 3.0 from approved list
Arts 1 3.0 from approved list
Letters 1 3.0 from approved list
Biological Science 13.0 MMBIO 221*
Physical Science 1-2 4-7.0 CHEM 105* and 1 course from approved list
Social Science 1 3.0 from approved list
Core Enrichment: Electives
Religion Electives 3-4 6.0 from approved list
Open Electives Variable Variable personal choice
*THESE COURSES FILL BOTH UNIVERSITY CORE AND PROGRAM REQUIREMENTS

Graduation Requirements:
Minimum residence hours required 30.0
Minimum hours needed to graduate 120.0
Suggested Sequence of Courses
Freshman Year
1st Semester
1st Year Writing OR A HTG 1003.0
Religion Cornerstone course 2.0
Global & Cultural Awareness elective 3.0
HLTH 2101.0
Civilization 1 elective 3.0
General elective 3.0
Total Hours 15.0
2nd Semester
1st Year Writing OR A HTG 1003.0
HLTH 3223.0
MMBIO 221 & 222 (Biological Science) 4.0
General Elective 4.0
Religion Cornerstone course 2.0
Total Hours 16.0

Sophomore Year
3rd Semester
HLTH 3243.0
HLTH 3143.0
CHEM 105 (Physical Science) 4.0
Religion Cornerstone course 2.0
General elective 3.0
Total Hours 15.0

4th Semester
HLTH 3123.0
HLTH 3153.0
CHEM 106 & 107 4.0
Religion Cornerstone course 2.0
Social Science elective 3.0
Total Hours 15.0

Junior Year
5th Semester
HLTH 3133.0
HLTH 426* 3.0
Major elective 3.0
STAT 121 (Languages of Learning) 3.0
Religion elective 2.0
Total Hours 14.0

6th Semester
HLTH 3163.0
Major elective 3.0
Adv. Written & Oral Communication 3.0
Civilization 2 elective 3.0
Religion elective 2.0
Total Hours 14.0

Senior Year
7th Semester
HLTH 428* 3.0
Major elective 3.0
General elective 4.0
Religion elective 2.0
Arts or Letters elective 3.0
Total Hours 15.0

8th Semester
HLTH 429** 3.0
General electives 7.0
Arts or Letters elective 3.0
HLTH 496R 3.0
Total Hours 16.0

Please check with departments for current availability of all courses.
*Offered FALL only
**Offered WINTER only**

**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.

BS in Public Health: Environmental/Occupational Health (662542) 2022-2023 Program Requirements (60 Credit Hours)

requirement 1 Complete 11 courses
- HLTH 210 - Foundations of Public Health
- HLTH 312 - Introduction to Planning, Interventions, and Evaluation 3.0
- HLTH 313 - Introduction to Data Collection and Analysis 3.0
- HLTH 314 - Health, Disease and Their Determinants, Part 1 3.0
- HLTH 315 - Health, Disease and Their Determinants, Part 2 3.0
- HLTH 316 - Influencing Health through Health Systems and Policy 3.0
- HLTH 322 - Environmental Health 3.0
- HLTH 324 - Occupational Health and Safety 3.0
- HLTH 426 - Environmental Toxicology 3.0
- HLTH 428 - Occupational Exposure Assessment Lab 3.0
- HLTH 429 - Environmental Exposure Assessment Lab 3.0

requirement 2 Complete 6 courses
- 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
- *MMBIO 221 - General Microbiology 3.0
- MMBIO 222 - General Microbiology Laboratory 1.0
- STAT 121 - Principles of Statistics 3.0

requirement 3 Complete 3.0 hours from the following course(s)
- HLTH 496R - Academic Internship: Health Science 9.0v
- You may take up to 3 credit hours.

requirement 4 Complete 9.0 hours from the following course(s)
- CELL 305 - Human Physiology 4.0
- CELL 365 - Pathophysiology 4.0
- CHEM 223 - (Not currently offered)
- CHEM 285 - Introductory Bio-organic Chemistry 4.0
- CHEM 351 - Organic Chemistry 1 3.0
- CHEM 352 - Organic Chemistry 2 3.0
- CHEM 481 - Biochemistry 3.0
- GEOG 101 - Global Environment: Understanding Physical Geography 3.0
- GEOG 303 - Biogeography 3.0
- GEOG 310 - Introduction to Urban and Regional Planning 3.0
- HLTH 345 - Principles of Epidemiology 3.0
- HLTH 420 - Injury and Violence Prevention 3.0
- HLTH 422 - Disaster Response and Emergency Preparedness 3.0
- HLTH 456 - Families and Public Health 3.0
- HLTH 481 - Applied International Health 3.0v
- HLTH 482 - Medical Geography 3.0
- HLTH 491R - Mentored Research 3.0v
- You may take up to 3 credit hours.
- HLTH 492R - Directed Public Health Readings 3.0v
- You may take up to 3 credit hours.
THE DISCIPLINE:
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.

Four of several disciplines within public health are represented as emphases within the major: (1) the environmental/occupational health emphasis trains students to identify and control factors in the environment (air, water, food, toxins, etc.) or conditions at the workplace which affect health; (2) the epidemiology emphasis prepares students to investigate and discover what causes disease and disability and how diseases are spread or distributed across populations; (3) health promotion emphasis students are prepared to facilitate health behavior change among individuals and improves population health through policy, advocacy, education, and communication; and (4) the health science emphasis provides students with a strong public health foundation in the integration of public health with primary care and with other sectors, in cultural competency and health systems, health-related data analysis, and in upstream approaches to health inequities, particularly in vulnerable and diverse populations. Health science students pursue advanced degrees in medicine, dentistry, physician assistantship, or other allied health areas.

CAREER OPPORTUNITIES:
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.

With the appropriate practice experiences, public health graduates with an emphasis in environmental/occupational health have increased qualifications to work in governmental health agencies on the local and state levels. Private-sector employment can be found in a variety of businesses (manufacturing, construction, workers compensation insurance companies, health and safety consulting), municipalities, healthcare agencies, research institutes, voluntary health agencies, and non-governmental organizations. Jobs at the federal and international levels often require work experience and a graduate degree.

Opportunities for employment in environmental/occupational health are available and several times throughout the year recruiters may come to campus to hire graduates. 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 internships with public or private organizations. Obtaining certifications (CPR/First Aid/AED, OSHA 30-hour certificate, HAZWOPER Technician, ASP, CSP, CIH, QEP, CHMM) 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 environmental/occupational health will range from approximately $42,000–$70,000 but will vary significantly depending upon the specific discipline, type of organization, and geographic location. For more information about pay of environmental health scientists visit: https://www.bls.gov/ooh/life-physical-and-social-science/environmental-scientists-and-specialists.htm#tab-5. For more information about pay of occupational health and safety specialists visit: https://www.bls.gov/ooh/healthcare/occupational-health-and-safety-specialists-and-technicians.htm#tab-5.

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.

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
Public Health Department
Brigham Young University
4103 Life Sciences Building
Provo, UT 84602
Telephone: (801) 422-4428

ADVISEMENT CENTER INFORMATION
Life Sciences Advisement
Brigham Young University
2060 Life Sciences Building
Provo, UT 84602
Telephone: (801) 422-3042
lifesciences@byu.edu