

## Major Course Requirements

A minimum of 111.5 hours (40.5 upper-division hours)

### ► Required Core Courses (63.5 hours):

BIOL 121+122+123	Biological Foundations I, II, III	5+5+5
BIOL 221+222	Intro to Research Methods I, II	2+2
BIOL 233	Ecology	4
BIOL 320	Cellular and Molecular Biology	4
BIOL 348	Systems Physiology	5
BIOL 354	Genetics	4
BIOL 397	Biology Seminar	0.5
BIOL 450	Philosophy of Origins	3
GLBH 201	Intro to Global Health	2
GLBH 265	Issues in Global Health	2
GLBH 310	Population Health	4
GLBH 480	Public Health for Comm. Resilience	5
GLBH 482	Public Health for a Healthy Lifestyle	5
GLBH 485	Public Health and Health Systems	5
SCIE 290	Sophomore Seminar	1

### ► Required Core Electives (9 hours):

At least 9 hours from the following:

BIOL 366	Medical Microbiology	5
BIOL 426	Histology	5
BIOL 469	Immunology	4
GLBH 410	Epidemiology for Public Health	4
GLBH 460	Health Systems of the World	4

### ► Required Cognate Courses (39 hours):

CHEM 111+12+13+L	General Chemistry I, II, III+Lab	5+5+5
CHEM 371+72+73+L	Organic Chemistry I, II, III+Lab	4+4+4
PHYS 111+112+113	General Physics I, II, III	4+4+4

### Recommended Cognate Courses:

HLTH 301	Health Society, & the Consumer	4
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## Student Learning Outcomes

- Outline intrinsic factors, risk factors, and social determinants of health.
- Assess the key risk factors for different health (mental and physical) conditions.
- Analyze the global burden of disease.
- Contrast the technological, economical, sociological, and bioethical perspectives of healthcare.
- Evaluate the measurement of health status.
- Examine demographic and epidemiologic transitions.
- Compare the organization and functions of health systems.
- Assess links among health, education, development, poverty, and equity.

## Occupational Information

### Job Outlook

According to the Department of Labor and Statistics, employment of community health workers is projected to grow 13% from 2014 to 2024, faster than the average for all occupations. Growth will be driven by efforts to improve health outcomes and to reduce healthcare cost. Organizations which mostly employ graduates with a Master's in Global Health are as follows:

- Government Agencies
- Non-governmental organizations (NGOs)
- Disaster relief organizations
- International aid and development agencies
- International health organizations
- Research and academic institutions
- Refugee health organizations

### Earnings

Wages vary by location—local, state, national, and international. An estimated starting wage is \$55,939-\$89,180 per annum plus benefits in the US.

(Data reported from the U.S Bureau of Labor Statistics (BLS) (Sept. 2021))

## 4+1 Bachelors & Master's Degree

The B.A. Biology 4+1 dual degree program, offered in collaboration with Loma Linda University, provides students with a strong biological foundation while integrating global public health coursework and the Public Health Core (PCOR) required for LLU's Master of Public Health. This structure enables students to transition directly into the M.P.H. in Global Health and complete the graduate degree within one calendar year after earning the B.A., ensuring efficient and well supported preparation for advanced study in public health.

## Admission

Admission to the Master's in Public Health is highly competitive. Admission requires the satisfactory completion of a B.A. in Biology degree with a GPA of 3.0 or higher.

## Admission Process

1. During the winter term of your senior year, please contact the Director of Admissions for the School of Public Health to begin the application process for the MPH in Global Health.
2. Once the application is open, you will receive two emails from [admissions.app@llu.edu](mailto:admissions.app@llu.edu) containing your login information and a link to the application. Part of the application process will be to input information (name and email address) for three recommenders. Once your application is submitted, your recommenders will receive an email to complete your recommendation letter electronically.

3. Once you have completed the application, please contact the Director of Admissions to waive the application fee. He will then get back to you for submission.
4. Once the application is submitted, please contact all universities you have attended, including PUC, and request official transcripts to be sent to LLU. The transcript from PUC will be in-progress. If accepted, and once your BS degree is completed and awarded, we will need a final copy.
5. Once your application is complete, your file will be forwarded to the program director for review and a decision.

**General Education Requirements**

To view general education requirements for this major, please refer to page A-02, Summary of General Education Requirements: B.A. Degree.

**How to Construct Your Own Program**

1. Counsel with your advisor.
2. Consider your aptitudes, interests, and available courses.
3. Schedule major courses and cognates first.
4. Fill the rest of your schedule with G.E. requirements.
5. For the freshman year include English, Religion, and PE courses. Also include Basic Algebra I+II unless waived by previous work.

**What the Degree Includes**

- A total of 180 quarter hours including:
1. A minimum of 60 upper division hours.
  2. General Education requirements.
  3. Major requirements.
  4. Minimum 2.0 GPA, overall and major.

**For More Information**

Biology Department  
 Pacific Union College  
 One Angwin Avenue  
 Angwin, CA 94508  
 (707) 965-6635

**Sample Four-Year Program**

This sample curriculum shows you how a program may be constructed, emphasizing the science components. Your program may differ. Be sure to consult your advisor.

<b>First Year</b>	<b>F</b>	<b>W</b>	<b>S</b>
Biological Foundations I,II,III	5	5	5
Intro to Global Health	-	2	-
General Education/Electives	10	8	10
	15	15	15
<b>Second Year</b>	<b>F</b>	<b>W</b>	<b>S</b>
General Chemistry I,II,III*	5	5	5
Ecology	4	-	-
Intro to GIS	2	-	-
Introduction to Research Methods I,II	-	2	2
Sophomore Seminar	-	1	-
Issues in Global Health	-	-	2
General Education	4	7	6
	15	15	15
<b>Third Year</b>	<b>F</b>	<b>W</b>	<b>S</b>
Organic Chemistry I,II,III	4	4	4
Population Health	4	-	-
Systems Physiology	5	-	-
Cellular & Molecular Biology	-	4	-
Genetics	-	-	4
General Education/Core Electives**	2	7	7
	15	15	15
<b>Fourth Year</b>	<b>F</b>	<b>W</b>	<b>S</b>
General Physics I,II,III	4	4	4
Philosophy of Origins	3	-	-
Public Health for Comm. Resilience	5	-	-
Public Health for a Healthy Lifestyle	-	5	-
Biology Seminar	-	0.5	-
Public Health and Health Systems	-	-	5
Senior Assessment Seminar	-	-	0.2
General Education/Electives	3	5.5	6
	15	15	15.2

\* General Chemistry may be taken in year one by students who are well prepared, highly motivated, and very disciplined.  
 \*\* Core Electives, 9 hours - see the front of this sheet for the list of options.