

# POPULATION MEDICINE – M.P.H.

**Program director**  
Lori Wilber

The Population Medicine Program is designed to meet the needs of practicing health professionals who have experience in direct patient care, and who wish to augment their current careers with additional information and skills in the health of populations. The students will be competent in improving the health of a population as well as continuously improving their own professional practice.

Individuals who may benefit from this program include practicing health professionals, such as physicians, dentists, pharmacists, nurses, social workers, physical therapists, and psychologists as well as students who are currently enrolled in clinical practice-related doctoral degrees (e.g., M.D., D.O., D.D.S., Pharm.D.). This degree will provide clinicians with cutting-edge knowledge and a skill set to integrate population-based, health-care approaches into their everyday clinical practice.

## Program learning outcomes

By the end of the program, the graduate should be able to:

- Formulate a strategy to control risks or hazards in a defined population.
- Design a multifaceted preventive approach to address a complex health issue.
- Create a leadership strategy to manage the health of a population.
- Develop a plan for one's own personal and professional well-being.
- Integrate evidence from scientific studies into one's professional practice.

## Educational effectiveness indicators

Program learner outcomes as evidenced by:

- Signature assignments linked to course and noncourse requirements.
- Applied practice experience products.
- Integrative learning experience product.

## Prerequisites

In addition to the entrance requirements for all M.P.H. degrees (<http://llucatalog.llu.edu/public-health/masters-degrees/#admissionstext>), applicants to the M.P.H. degree program in population medicine must have:

- A health-care-related degree:
  - Completion of a clinical practice-related bachelor's or master's degree (e.g., nursing, social work, dental hygiene, physical therapy, occupational therapy, or psychology).
  - Acceptance into—or completion of—a clinical practice-related doctoral degree program (e.g., M.D., D.O., D.D.S., D.N.P., D.P.T., Pharm.D.). Must have completed at least two years in the clinical program.
- GRE examination:
  - May be waived with either completion of a clinical practice-related doctoral degree (e.g., M.D., D.O., D.D.S., D.N.P., D.P.T.,

Pharm.D., or Ph.D.) or by entrance examination for a clinical practice-related doctoral degree (e.g., MCAT, DAT).

- Anatomy and/or physiology (one course).
- Behavioral science (one course).

## Program requirements

### Public health core

PCOR 501	Public Health for Community Resilience	5
PCOR 502	Public Health for a Healthy Lifestyle <sup>1</sup>	5
PCOR 503	Public Health and Health Systems	5

### Population medicine major

PMED 521	Population Medicine I	4
PMED 522	Population Medicine II	4
PMED 523	Population Medicine III	4
PMED 551	Population Medicine in Public Health I	4
PMED 552	Population Medicine in Public Health II	4
PMED 553	Population Medicine in Public Health III	4

### Religion

RELE 534	Ethical Issues in Public Health (or REL_)	3
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### Cognates/Electives

Choose in consultation with advisor		14
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<b>Total Units</b>		<b>56</b>
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<sup>1</sup> Fulfills service learning requirement

## Integrative learning experience

See standard integrative learning experience requirements (<http://llucatalog.llu.edu/public-health/masters-degrees/#mphtext>).

## Normal time to complete the program

Two (2) years (eight [8] academic quarters) – based on full-time enrollment; part time permitted

## Courses

### PMED 521. Population Medicine I. 4 Units.

Teaches how to formulate a strategy to control risks or hazards in a defined population. Includes risk assessment, risk management, and risk communication. Project incorporates experiences applied to the student's own field of practice.

### PMED 522. Population Medicine II. 4 Units.

Explains how to design a multifaceted preventive approach to address a complex health issue. Includes approaches for communicable and non-communicable diseases on an individual and population level. Project incorporates experiences applied to the student's own field of practice.

### PMED 523. Population Medicine III. 4 Units.

Shares how to create a leadership strategy to manage the health of a population. Includes multiple dimensions of health-care delivery and quality. Project incorporates experiences applied to the student's own field of practice.

### PMED 551. Population Medicine in Public Health I. 4 Units.

Equips students with foundational knowledge and skills in the practice of population medicine. Develops progressive competency in professionalism, medical knowledge, and practice-based learning and improvement. Focuses on commonly used study designs, concepts of disease frequency and rates, and review and interpretation of epidemiologic literature.

**PMED 552. Population Medicine in Public Health II. 4 Units.**

Equips students with foundational knowledge and skills in the practice of population medicine. Develops progressive competency in professionalism, medical knowledge, and practice-based learning and improvement. Focuses on concepts of disease risk, appropriate statistical analysis, and review and interpretation of epidemiologic literature.

**PMED 553. Population Medicine in Public Health III. 4 Units.**

Equips students with foundational knowledge and skills in the practice of population medicine. Develops progressive competency in professionalism, medical knowledge, and practice-based learning and improvement. Focuses on risk assessment, risk management, and risk communication; features of primary, secondary, and tertiary prevention; and effective leadership strategies.

**PMED 554. Population Medicine in Public Health IV. 4 Units.**

Empowers students to set learning and improvement goals in the practice of population medicine. Develops progressive competency in professionalism, medical knowledge, and practice-based learning and improvement. Focuses on the medical professional's role in the surveillance of disease, review and interpretation of epidemiologic literature, and integrating evidence into one's professional practice.

**PMED 555. Population Medicine in Public Health V. 4 Units.**

Empowers students to set learning and improvement goals in the practice of population medicine. Develops progressive competency in professionalism, medical knowledge, and practice-based learning and improvement. Focuses on population-based metrics, review and interpretation of epidemiologic literature, and developing an individualized plan for well-being.

**PMED 556. Population Medicine in Public Health VI. 4 Units.**

Empowers students to set learning and improvement goals in the practice of population medicine. Develops progressive competency in professionalism, medical knowledge, and practice-based learning and improvement. Focuses on opportunities and barriers in the prevention of disease and injury, review and interpretation of epidemiologic literature, and leadership for one's professional practice.

**PMED 699. Research. 1-10 Units.**

Independent research with a population medicine focus. Arranged with faculty member(s).