

# PUBLIC HEALTH, M.S.

Saint Louis University's Master of Science in Public Health degree program is designed for students with terminal degrees who seek training in population-based research methods to support their clinical research activities.

## Curriculum Overview

SLU's Master of Science in Public Health program requires 36 credits. Students complete a research project incorporating the principles of their chosen concentration that results in a manuscript of publishable quality.

Students may choose from the following concentrations in behavioral science and health education or epidemiology:

### Behavioral Science and Health Education

This concentration includes core coursework in behavioral science research methods, supplemented by a general course in public health and ethical issues in public health.

### Epidemiology

This concentration includes core coursework in epidemiology and biostatistics, supplemented by a general course in public health.

## Careers

SLU's public health graduates are employed at federal, state and local health agencies; consulting firms; consumer advocacy organizations; community-based organizations and health care centers; hospitals; research centers; and universities.

Within the first year of graduation, 99 percent<sup>1</sup> of graduates from this program began their careers, were participating in fellowships or otherwise furthering their graduate education.

<sup>1</sup> According to survey responses from the Class of 2015.

## Admission Requirements

A Ph.D., M.D., D.O., D.C., D.D.S. or D.V.M. from an accredited college or university.

### Application Requirements

- Application form and fee
- Transcript(s)
- Three letters of recommendation
- GRE scores (waived for professionals who hold terminal degrees)
- Résumé
- Interview (for some degrees)
- Professional goal statement

### Requirements for International Students

All admission policies and requirements for domestic students apply to international students along with the following:

- Demonstrate English Language Proficiency (<http://catalog.slu.edu/academic-policies/office-admission/undergraduate/english-language-proficiency/>)
- Proof of financial support must include:
  - A letter of financial support from the person(s) or sponsoring agency funding the time at Saint Louis University

- A letter from the sponsor's bank verifying that the funds are available and will be so for the duration of study at the University
- Academic records, in English translation, of students who have undertaken postsecondary studies outside the United States must include the courses taken and/or lectures attended, practical laboratory work, the maximum and minimum grades attainable, the grades earned or the results of all end-of-term examinations, and any honors or degrees received. WES and ECE transcripts are accepted.

### Application Deadline

Applications are accepted on a rolling basis until classes are full.

### Review Process

All applications are considered on an individual basis with a balanced and holistic approach. In addition to reviewing previous coursework, test scores and all other supporting application documents are considered.

## Scholarships and Financial Aid

The College for Public Health and Social Justice offers several ways to help finance graduate education. Opportunities include a limited number of merit-based scholarships and graduate research assistantships.

Awards are made to applicants with the highest combinations of GPAs and test scores who complete their applications by the priority deadlines.

For more information, visit the student financial services office online at <http://finaid.slu.edu> (<http://finaid.slu.edu/>).

## Accreditation

The College for Public Health and Social Justice is fully accredited by the Council on Education for Public Health (CEPH).

Most recent CEPH Self-Study - July 2016

Self-Study ([http://www.slu.edu/public-health-social-justice/pdfs/cphsj\\_self\\_study\\_august\\_2015\\_report.pdf](http://www.slu.edu/public-health-social-justice/pdfs/cphsj_self_study_august_2015_report.pdf))

## Learning Outcomes

### Behavioral Science and Health Education Concentration

1. Review and critically evaluate the behavioral and social science literature and identify research questions and hypotheses that address current gaps.
2. Identify, describe and apply theories, models and concepts from social and behavioral science disciplines, including psychology, health communication and anthropology, to key public health challenges and reducing health disparities.
3. Explain and apply qualitative and quantitative methods to assess community and population health resources and needs.
4. Plan, develop, guide and manage theory and evidence-based interventions, programs and policies to improve health at the individual, organizational, community and population levels.
5. Conduct statistical and basic epidemiological analytic methods, and interpret findings including strengths and limitations.
6. Conduct multi-method process and outcome evaluations of interventions, programs and policies to improve community health.
7. Employ ethical principles guiding the conduct of research on human subjects.

- Design and conduct research projects and communicate the procedures, methods, results and implications in both oral and written form.

## Epidemiology Concentration

- Identify gaps in the literature and develop appropriate research theses.
- Develop appropriate study designs and analytic strategies to test epidemiologic hypotheses.
- Apply ethical principles in the conduct of research on human subjects.
- Conduct and interpret descriptive and inferential statistics.
- Communicate epidemiologic findings in scholarly oral and written formats.

## Requirements

Code	Title	Credits
<b>Required Core Courses</b>		
BST 5100	Introduction to General Linear Modeling	3
PUBH 5010	Mission and Practice of Global Public Health	2
PUBH 5030	Methodological Approaches to Understanding Population Health	3
PUBH 5040	Generating Evidence from Public Health Data <sup>†</sup>	3
PUBH 5960	Capstone in Public Health Practice	3
PUBH 5990	Research Project	2-1
<b>Concentrations</b>		
Select one of the following:		20-21
Behavioral Science and Health Education (p. 2)		
Epidemiology (p. 1)		
Total Credits		36

<sup>†</sup> Completing SPSS tutorials required prior to first class. Tutorials available on SLU Blackboard.

## Behavioral Science and Health Education Concentration

Code	Title	Credits
<b>Required Courses</b>		
BSH 5000	Behavioral Science and Public Health	3
BSH 5400	Assessment, Intervention Development, and Evaluation I	3
BSH 5410	Assessment, Intervention Development, and Evaluation II	3
BST 5400	Applied Data Management	3
HCE 5020	Ethical Issues in Public Health	2
<b>Methods Electives</b>		
Select six credits in consultation with mentor		6
Total Credits		20

## Epidemiology Concentration

Code	Title	Credits
<b>Required Courses</b>		
BST 5030	Statistical Programming and Study Planning: SAS	3
BST 5200	Survival Data Analysis	3
BST 5210	Categorical Data Analysis	3
EPI 5020	Epidemiology Methods II	3

## Epidemiology Elective Course

Select nine credits in consultation with mentor	9
Total Credits	21

## Continuation Standards

Students must maintain a cumulative grade point average (GPA) of 3.00 in all graduate/professional courses.

## Roadmap

Roadmaps are recommended semester-by-semester plans of study for programs and assume full-time enrollment unless otherwise noted.

Courses and milestones designated as critical (marked with !) must be completed in the semester listed to ensure a timely graduation. Transfer credit may change the roadmap.

This roadmap should not be used in the place of regular academic advising appointments. All students are encouraged to meet with their advisor/mentor each semester. Requirements, course availability and sequencing are subject to change.

## Behavioral Science and Health Education Concentration

Course	Title	Credits
<b>Year One</b>		
<b>Fall</b>		
!BSH 5000	Behavioral Science and Public Health	3
!PUBH 5030	Methodological Approaches to Understanding Population Health	3
!PUBH 5040	Generating Evidence from Public Health Data <sup>†</sup>	3
		Credits
		9
<b>Spring</b>		
!BST 5100	Introduction to General Linear Modeling	3
Elective	Methods Elective chosen in consultation with mentor	3
		Credits
		6
<b>Summer</b>		
!HCE 5020	Ethical Issues in Public Health	2
Elective	Methods Elective chosen in consultation with mentor	3
		Credits
		5
<b>Year Two</b>		
<b>Fall</b>		
!BSH 5400	Assessment, Intervention Development, and Evaluation I	3
!BST 5400	Applied Data Management	3
!PUBH 5010	Mission and Practice of Global Public Health	2
		Credits
		8
<b>Spring</b>		
!BSH 5410	Assessment, Intervention Development, and Evaluation II	3
!PUBH 5960	Capstone in Public Health Practice	3
		Credits
		6

<b>Summer</b>		
!PUBH 5990	Research Project	2
	Credits	2
	Total Credits	36

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† Completing SPSS tutorials required prior to first class. Tutorials available on SLU Blackboard.

## Epidemiology Concentration

Course	Title	Credits
<b>Year One</b>		
<b>Fall</b>		
!PUBH 5010	Mission and Practice of Global Public Health	2
!PUBH 5030	Methodological Approaches to Understanding Population Health	3
!PUBH 5040	Generating Evidence from Public Health Data <sup>†</sup>	3
	Credits	8
<b>Spring</b>		
!BST 5100	Introduction to General Linear Modeling	3
!EPI 5020	Epidemiology Methods II	3
	Credits	6
<b>Summer</b>		
!BST 5030	Statistical Programming and Study Planning: SAS	3
Elective	Methods Elective chosen in consultation with mentor	3
	Credits	6
<b>Year Two</b>		
<b>Fall</b>		
!BST 5200	Survival Data Analysis	3
!BST 5210	Categorical Data Analysis	3
Elective	Methods Elective chosen in consultation with mentor	3
	Credits	9
<b>Spring</b>		
!PUBH 5960	Capstone in Public Health Practice	3
Elective	Methods Elective chosen in consultation with mentor	3
	Credits	6
<b>Summer</b>		
!PUBH 5990	Research Project	1
	Credits	1
	Total Credits	36

† Completing SPSS tutorials required prior to first class. Tutorials available on SLU Blackboard.

## Contact Us

Apply for Admission (<https://sophas.liaisoncas.com>)

For additional admission questions please contact:  
 Bernie Backer