PUBLIC HEALTH (BS)

Creating healthy people and communities

Grounded in the basic sciences with an emphasis on population health, the B.S. in Public Health (BSPH) degree prepares students for positions in fields such as health education, epidemiology, and environmental health, across nonprofit, industry, and government sectors. Prehealth students who seek a medical or health professions degree can broaden their experience with a multidisciplinary public health major. Sample curricula: BSPH Curriculum (p. 1) (p.1) and BSPH with Pre-Med Requirements Curriculum (p. 1) (p.1). Learn more (https://www.luc.edu/parkinson/academics/departments/publichealthsciences/bspublichealth/).

Thinking about earning your Master of Public Health (MPH)? The Parkinson School also offers a five-year, dual-degree to earn both your bachelor’s and master’s degrees with the BSPH/MPH. Learn more (https://catalog.luc.edu/undergraduate/health-sciences-public-health/public-health-bsmph/).

Accreditation

Loyola University Chicago Public Health Programs are accredited by the Council on Education for Public Health (CEPH). In March 2021, CEPH Board of Councilors acted to renew our BSPH and MPH programs’ accreditation for a seven-year period. For questions on accreditation, please email Dr. Ruth Kafensztok (rkafens@luc.edu).

Curriculum

The BSPH program draws on courses in ethics, environmental sciences, biology, mathematics, healthcare administration, social sciences, and the humanities alongside epidemiology, biostatistics, health behavior and promotion, health communication, policy, and global health.

Credit Hours

The four-year BSPH program requires 71 credit hours towards the 120 credits needed for graduation. Students complete remaining credits in the University Core, minors, and general electives. Several Knowledge Areas within the University Core (https://catalog.luc.edu/undergraduate/university-requirements/university-core/) are waived for BSPH students as they are already included in the major (Quantitative, Scientific Literacy, etc.).

Courses

Public Health courses include:

- Introduction to Public Health
- Environmental Health
- Introduction to Epidemiology
- Health Behavior and Health Promotion
- Critical Thinking in Public Health
- Foundations of Public Health Policy
- Global Health
- Public Health Capstone
- Public Health Internship (Elective)

The BSPH Curriculum illustrates course requirements. For students considering a pre-health track within the BSPH major, please review the BSPH with Pre-Health Requirements. The following course plans are intended as samples to help students envision one path for completion of this degree. Many courses may be moved to alternate semesters without impacting progress toward degree completion. Course sequencing may be impacted by math placement.

BS in Public Health Sample Academic Plan

Parkinson School of Health Sciences and Public Health

BSPH majors must complete this list of University Core areas:

Artistic Knowledge (1 course/3 credit hours)

Ethics (1 course/3 credit hours)

Historical Knowledge (2 courses/6 credit hours)

Literary Knowledge (2 courses/6 credit hours)

Philosophical Knowledge - Foundational (1 course/3 credit hours)

Societal Knowledge - Foundational (1 course/3 credit hours)

Theological Knowledge (2 courses/6 credit hours)

Writing Seminar (1 course/3 credit hours)

120 Total Credit Hours (71 BSPH, 34 Core/UNIV 101 First Year Seminar, 15 General Electives)

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Year Fall</td>
<td></td>
</tr>
<tr>
<td>BIOL 101 General Biology I</td>
<td>4</td>
</tr>
<tr>
<td>&amp; BIOL 111 and General Biology I Lab</td>
<td></td>
</tr>
<tr>
<td>MATH 131 Applied Calculus I</td>
<td>3</td>
</tr>
<tr>
<td>UCLR 100 Interpreting Literature (C/E/M)</td>
<td>3</td>
</tr>
<tr>
<td>UCWR 110 Writing Responsibly</td>
<td>3</td>
</tr>
<tr>
<td>UNIV 101 First Year Seminar</td>
<td>1</td>
</tr>
<tr>
<td>Spring</td>
<td>14</td>
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<tr>
<td>Select one of the following:</td>
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<tr>
<td>ANTH 100 Globalization and Local Cultures (CORE)</td>
<td>3</td>
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<tr>
<td>Substitute</td>
<td></td>
</tr>
<tr>
<td>BIOL 102 General Biology II</td>
<td>4</td>
</tr>
<tr>
<td>&amp; BIOL 112 and General Biology II Lab</td>
<td></td>
</tr>
<tr>
<td>HIST CORE (Tier 1) Historical Knowledge</td>
<td>3</td>
</tr>
<tr>
<td>MATH 132 Applied Calculus II</td>
<td>3</td>
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<tr>
<td>Select one of the following:</td>
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<tr>
<td>PHIL 181 Ethics (CORE)</td>
<td>3</td>
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<tr>
<td>Substitute</td>
<td></td>
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<tr>
<td>Second Year Fall</td>
<td>16</td>
</tr>
<tr>
<td>THED CORE (Tier 1) Theological Knowledge</td>
<td>3</td>
</tr>
<tr>
<td>HSM 110 Healthcare in America</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 101 General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PUBH 300 Introduction to Public Health (may take when offered in fall or spring terms)</td>
<td>3</td>
</tr>
<tr>
<td>PUBH 301 Health and the Environment (fall or spring term when offered)</td>
<td>3</td>
</tr>
<tr>
<td>Spring</td>
<td>15</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
</tr>
<tr>
<td>ANTH 280 Evolution of Human Disease</td>
<td></td>
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<tr>
<td>ANTH 353 Epidemics and Pandemics</td>
<td></td>
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<tr>
<td>ANTH 359 Paleopathology</td>
<td></td>
</tr>
</tbody>
</table>
ART CORE  |  Artistic Knowledge  |  3  
HIST CORE (Tier 2)  |  Historical Knowledge  |  3  
PHIL 130  |  Philosophy & Persons (CORE)  |  3  
General Elective  |  |  3

**Total Hours**  |  15

**Third Year**

**Fall**

General Elective  |  3
PUBH 304  |  Health Behavior and Health Promotion  |  3  
PUBH 306  |  Critical Thinking in Public Health  |  3  
STAT 335  |  Introduction to Biostatistics  |  3  
Select one THEO CORE (Tier 2) course of the following:  |  3
THEO 203  
THEO 204  
Substitute

**Spring**

General Elective  |  3
HSM 230  |  Fundamentals of Health Equity  |  3  
PHIL 284  |  Health Care Ethics  |  3  
PHIL 287  |  or Environmental Ethics  |  3  
LIT CORE (Tier 2)  |  Literary Knowledge  |  3  
Select one Public Health Elective of the following:  |  3
PUBH 310  |  Public Health Internship  
Public Health Internships  
Other options for BSPH electives

**Fourth Year**

**Fall**

General Elective  |  3
PUBH 303  |  Introduction to Epidemiology  |  3  
PUBH 307  |  Foundations of Public Health Policy  |  3  
PUBH 314 / HSM 210  |  Global Public Health  |  3  
STAT 303  |  SAS Programming & Applied Statistics  |  3

**Spring**

ENVS 380  |  Introduction to Geographic Information Systems  |  3  
General Elective  |  3
HSM 310  |  Healthcare Project Management  |  3
PUBH 399  |  Public Health Capstone Experience  |  3  
Select one Public Health Elective of the following:  |  3
PUBH 310  |  Public Health Internship  
Public Health Internships  
Other options for BSPH electives

**Total Hours**  |  15

1 University Core (https://catalog.luc.edu/undergraduate/university-requirements/university-core/)
2 Public Health electives will represent a cross-section of interdisciplinary academic options from which students may choose (6 credits needed)
3 If interested in the BSPH/MPH five-year, dual-degree program, contact Keith Kramer, kkramer4@luc.edu first before taking PUBH 303 Introduction to Epidemiology, PUBH 307 Foundations of Public Health Policy, PUBH 314 Global Public Health/HSM 210 Introduction to Global Healthcare Delivery, or ENVS 380 Introduction to Geographic Information Systems. Each course above is three credits except where noted.

**BS in Public Health with Pre-Med Requirements**

Parkinson School of Health Sciences and Public Health

BSPH majors must complete this list of University Core areas:

**Artistic Knowledge** (1 course/3 credit hours)

Ethics (1 course/3 credit hours)

**Historical Knowledge** (2 courses/6 credit hours)

Literary Knowledge (2 courses/6 credit hours)

Philosophical Knowledge - Foundational (1 course/3 credit hours)

Societal Knowledge - Foundational (1 course/3 credit hours)

Theological Knowledge (2 courses/6 credit hours)

Writing Seminar (1 course/3 credit hours)

132 Total Credit Hours
### PUBH 301
Health and the Environment (fall or spring term when offered) 3

| Hours | 16 |

#### Spring
- **BIOL 282**  Genetics  3
- **THEO CORE**  Theological Knowledge 1  3
- **CHEM 260 & CHEM 261**  Quantitative Methods in Chemistry and Quantitative Methods in Chemistry Laboratory 4
- **HSM 110**  Healthcare in America  3
- **PSYC 101**  General Psychology  3

| Hours | 16 |

#### Third Year
**Fall**
- **BIOL 366 / CHEM 361**  Cell Physiology & Biochemistry  3
- **PHYS 111 & 111L**  College Physics I Lec / Dis and College Physics Laboratory I 4
- **PUBH 304**  Health Behavior and Health Promotion  3
- **PUBH 306**  Critical Thinking in Public Health  3
- **STAT 335**  Introduction to Biostatistics  3

| Hours | 16 |

#### Spring
Select one of the following:  3
- **ANTH 280**  Evolution of Human Disease
- **ANTH 353**  Epidemics and Pandemics
- **ANTH 359**  Paleopathology
- **HSM 230**  Fundamentals of Health Equity  3
- **PHIL 130**  Philosophy & Persons 1  3
- **PHYS 112 & 112L**  College Physics II Lec/Disc and College Physics Lab II 4
- **STAT 303**  SAS Programming & Applied Statistics  3

| Hours | 16 |

#### Fourth Year
**Fall**
- **HIST CORE (Tier 2)**  Historical Knowledge 1  3
- **LIT CORE (Tier 2)**  Literary Knowledge 1  3
- **PHIL 284 or PHIL 287**  Health Care Ethics or Environmental Ethics  3
- **PUBH 303**  Introduction to Epidemiology 2  3
- **PUBH 307**  Foundations of Public Health Policy 2  3
- **PUBH 314 / HSM 210**  Global Public Health 2  3

| Hours | 18 |

#### Spring
- **ART CORE**  Artistic Knowledge 1  3
- **ENVS 380**  Introduction to Geographic Information Systems 2  3
- **HSM 310**  Healthcare Project Management  3
- **PUBH 399**  Public Health Capstone Experience  3
Select one of the following: 2  3
- **THEO CORE (Tier 2)**  1
- **THEO 203**  Social Justice and Injustice
- **THEO 204**  Religious Ethics and the Ecological Crisis

| Substitute | Hours | 15 |

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| Hours | 132 |

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1 University Core ([https://catalog.luc.edu/undergraduate/university-requirements/university-core/](https://catalog.luc.edu/undergraduate/university-requirements/university-core/))

2 If interested in the BSPH/MPH five-year, dual-degree program, contact Keith Kramer, kkramer4@luc.edu first before taking PUBH 303 Introduction to Epidemiology, PUBH 307 Foundations of Public Health Policy, PUBH 314 Global Public Health/HSM 210 Introduction to Global Healthcare Delivery, or ENVS 380 Introduction to Geographic Information Systems. Each course above is three credits except where noted. PUBH 310 Public Health Internship, Public Health Internship, is a great elective option.

### Additional Undergraduate Graduation Requirements
All Undergraduate students are required to complete the University Core, at least one Engaged Learning course, and UNIV 101. SCPS students are not required to take UNIV 101. You can find more information in the University Requirements ([https://catalog.luc.edu/undergraduate/university-requirements/](https://catalog.luc.edu/undergraduate/university-requirements/)) area.

### Learning Outcomes
Students who complete the BS in Public Health program will be able to:

- Discuss the history, characteristics, roles, functions, structures, and core concepts of public health and the U.S. health system
- Debate the socioeconomic, behavioral, biological, and environmental factors that influence human health and disease and perpetuate health disparities
- Describe the legal, regulatory, ethical, and economic dimensions shaping public health policy and practice
- Locate, use, evaluate, and synthesize public health information
- Use basic statistics and perform statistical analysis in SAS, a widely-used statistical software program, to identify and describe populations’ health concerns
- Communicate public health information, in both oral and written forms, through a variety of media and to diverse audiences
- Identify the basic tools for project management as well as population health assessment, planning, and evaluation
- Advocate for health equity, especially on behalf of vulnerable and marginalized populations
- Take a stand on a controversial public health issue and support it with evidence
- Craft evidence-based solutions that take account of the community dynamics and cultural contexts in which public health practitioners work
- Engage in sound ethical practice while exhibiting a high degree of professionalism