

GRADUATE TRAINING PROGRAMS IN CLINICAL INVESTIGATION, ScM

Graduate Training Programs in Clinical Investigation, ScM

Applications are not accepted for the ScM degree program. The ScM is a thesis-requiring degree that can only be awarded to GTPCI PhD students who cannot fulfill the full set of PhD requirements due to curtailed time available, unanticipated research difficulties, or late shifts in thesis projects.

Requirements for completion of the ScM Degree:

Last Edited: Mar 10, 2023 12:03pm

Course location and modality are found on the BSPH website (<https://www.jhsph.edu/courses/>).

- 70 credit hours of coursework including a year of full-time coursework
- Maintain a minimum 2.75 GPA
- Comprehensive examination at the end of the didactic year
- Continuous registration for the Research Forum following the didactic year
- Evidence of original research productivity as evidenced by submission of an acceptable Master's thesis

Comprehensive Examination

Taken after successfully completing the core coursework. It is a 4-hour, in-person, open-notes exam, distributed at the end of 4th term.

Required Coursework

Completion of Introduction to Online Learning (<https://courseplus.jhsph.edu/core/index.cfm/go/course.home/cid/90/>) is required prior to beginning 1st term.

According to the requirements of the Council on Education for Public Health (CEPH) (<https://e-catalogue.jhu.edu/public-health/ceph-requirements/>), all BSPH degree students must be grounded in foundational public health knowledge. The courses below meet these requirements: 552.601, 552.603, 552.607, 552.608, 552.609, 552.610, 552.611, 552.612.

Code	Title	Credits
PH.390.750	Introduction to Clinical Research (Optional in Summer prior to matriculation)	2
PH.552.601	Foundational Principles of Public Health	0.5
PH.552.603	The Role of Qualitative Methods and Science in Describing and Assessing a Population's Health	0.5
PH.552.607	Essentials of Environmental Health	0.5
PH.552.608	Biologic, Genetic and Infectious Bases of Human Disease	0.5
PH.552.609	Psychological and Behavioral Factors That Affect A Population's Health	0.5
PH.552.610	The Social Determinants of Health	0.5
PH.552.611	Globalization and Population Health	0.5

PH.552.612	Essentials of One Health	0.5
PH.550.600	Living Science Ethics - Responsible Conduct of Research	1
PH.550.860	Academic & Research Ethics at BSPH	
PH.390.673	Ethical and Regulatory Issues in Clinical Research (or 306.665)	3
PH.390.631	Principles of Drug Development	2
PH.390.801	Professional Goals and Objectives	1
PH.390.751	Seminars in Clinical Investigation (PH.390.751 is Seminars in Clinical Investigation)	2
PH.390.710	Biomedical Writing I	2
PH.390.711	Biomedical Writing II	2
PH.390.721	Principles of Grant Writing I	2
PH.390.722	Principles of Grant Writing II	4
PH.390.703	Presentation Skills	1
PH.340.606	Methods for Conducting Systematic Reviews and Meta-Analyses	4
PH.140.621	Statistical Methods in Public Health I (or 140.651)	4
PH.140.622	Statistical Methods in Public Health II (or 140.652)	4
PH.140.623	Statistical Methods in Public Health III (or 140.653)	4
PH.140.624	Statistical Methods in Public Health IV (or 140.654)	4
PH.340.751	Epidemiologic Methods 1	5
PH.340.752	Epidemiologic Methods 2	5
PH.340.753	Epidemiologic Methods 3	5
PH.390.855	Research Forum	1
In place of 340.754, choose electives: 5 or more total credits, taken for grade		

70 total credits are required: choose electives to reach 70

In addition to the Schoolwide policies (<https://e-catalogue.jhu.edu/public-health/policies/>), current students can view all GTPCI ScM program policies in the GTPCI Student Handbook (<https://publichealth.jhu.edu/academics/academic-program-finder/graduate-training-programs-in-clinical-investigation/degree-programs/>).

Upon successful completion of the Master of Science degree, students will have mastered the following competencies:

- Generate and present valid research questions that address topics of public health importance
- Recognize assumptions inherent in a particular statistical model and the corresponding limitations of the statistical method
- Appraise scientific data for bias, confounding, and other sources of error
- Conduct, present, and interpret the results of meta-analyses and network meta-analyses
- Characterize the fundamentals of informed consent from the ethical, legal, and regulatory perspectives and apply ethical and regulatory principles to research
- Differentiate the various steps involved in the drug development pathway

According to the requirements of the Council on Education for Public Health (CEPH), all BSPH degree students must be grounded in

foundational public health knowledge. Please view the list of specific CEPH requirements by degree type.