First Year ScM/MHS Students

Recommended Curriculum, 2019-20

August

Introduction to Biomedical Sciences (260.600), 4 credits)*

1st term

Methods in Biostatistics I (140.651, 4 credits)*
Essentials of Probability and Statistical Inference I (140.646, 4 credits)*
Statistical Computing (140.776, 3 credits)**
Epidemiologic Inference in Public Health I (340.721, 5 credits)
Academic and Research Ethics at JHSPH (550.860, 0 credits)***
Foundational Principles of Public Health (552.601.81, 0.5 credits)****
The Role of Qualitative Methods and Science in Describing and Assessing a Population's Health (552.603.81, 0.5 credits)****
Essentials of Environmental Health (552.607.81, 0.5 credits)****
Psychological and Behavioral Factors That Affect a Population's Health (552.609.81, 0.5 credits)****
Essentials of One Health (552.612.81, 0.5 credits)****
Special Studies (140.840, credits as needed in order to get to at least 16 credits total)

2nd term

Methods in Biostatistics II (140.652, 4 credits)*
Essentials of Probability and Statistical Inference II (140.647, 4 credits)*
Introduction to Data Management (140.630, 3 credits)
Electives
Biologic, Genetic and Infectious Bases of Human Disease (552.608.81, 0.5 credits)****
The Social Determinants of Health (552.610.81, 0.5 credits)****
Globalization and Health: a Framework for Analysis (552.611.81, 0.5 credits)****
Special Studies (140.840, credits as needed in order to get to at least 16 credits total)

3rd term

Methods in Biostatistics III (140.653, 4 credits)*
Essentials of Probability and Statistical Inference III (140.648, 4 credits)*
SAS Statistical Package: A Survey for Statisticians (140.631, 3 credits)
Electives
Special Studies (140.840, credits as needed in order to get to at least 16 credits total)

4th term

Methods in Biostatistics IV (140.654, 4 credits)*
Essentials of Probability and Statistical Inference IV (140.649, 4 credits)*
Electives
Special Studies (140.840, credits as needed in order to get to at least 16 credits total)
The sequences *Methods in Biostatistics I – IV* (140.651-654) and *Essentials of Probability and Statistical Inference I – IV* (140.646-649) are required course sequences for the 1st year. Per school policy, for students to remain in satisfactory academic standing, they must meet the minimum grade threshold of a C in required courses.

* The credits of this course count toward the first term.

** Only recommended for those with some prior programming experience with a language such as C/C++, perl, java, python etc. Please consult the course instructor.

*** Although this course is offered in subsequent terms, incoming students are required to take this during their first term and will not be able to register for 2nd term until they have done so.

**** Students are required to take the eight 552.xxx courses listed here by the end of Year Two. Students unable to complete all eight of the 552.xxx courses in Year One must do so in Year Two.

### Additional Notes and Requirements:

Students must enroll in a minimum of 16 credits per term. The 16 credits can be reached by enrolling for special studies credit (140.840). These special studies must have a clearly defined objective.

By the end of the first year, students MUST have earned 12 credits in non-Biostatistics courses (of which 6 credits must come from SPH courses). Special studies (800-level) courses in another department do NOT count toward this requirement.

All students must attend the departmental seminar series.

There will be a qualifying exam (multi-hour in-class exam followed by a 3-day take-home data analysis project) during the first half of June of the 1st year.

Please consult our [Master’s Student Academic Standing Guide](#) for more detailed information about academic requirements and expectations.