

First Year ScM Students

Recommended Curriculum

August

Mathematics Refresher (optional, no credit)
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)
Principles of Epidemiology (340.601, 5 credits)
Statistical Computing (140.776, 3 credits)
Public Health Perspectives on Research I (550.865, 1 credit)**
Research Ethics (550.860, 1 credit) (*also offered during subsequent terms*)
Special Studies (140.840)

2nd term

Methods in Biostatistics II (140.652, 4 credits)
Essentials of Probability and Statistical Inference II (140.647, 4 credits)
Public Health Perspectives on Research II (550.866, 1 credit)**
Research Ethics (550.860, 1 credit) (*if not taken in previous term*)
Electives
Special Studies (140.840)

3rd term

Methods in Biostatistics III (140.653, 4 credits)
Essentials of Probability and Statistical Inference III (140.648, 4 credits)
Research Ethics (550.860, 1 credit) (*if not taken in previous term*)
Electives
Special Studies (140.840)

4th term

Methods in Biostatistics IV (140.654, 4 credits)
Essentials of Probability and Statistical Inference IV (140.649, 4 credits)
Research Ethics (550.860, 1 credit) (*if not taken in previous term*)
Electives
Special Studies (140.840)

* The credits of this course count toward the first term. Students can take this course during the summer before their second year. Upon approval of the graduate program chairs, students who have or plan to take comparable coursework can waive this course.

** Students who have earned an MPH from a domestic university within the last 10 years may waive this requirement.

Students must enroll for 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, 6 of which must be from the School of Public Health. Principles of Epidemiology and Introduction to Biomedical Sciences count toward this requirement. Research Ethics (550.860) and Public Health Perspectives on Research I-II (550.865-66) do not count towards this requirement, nor do special studies courses in another department.

All students must attend the Wednesday Biostatistics seminar series.

There will be qualifying exam (4 hour in-class exam and 3-day take-home data analysis project) during the first week in June of the 1st year.