# Sample Timelines

Students admitted to the doctoral program are typically able to complete their degrees within four or five years. The timing and sequence of courses will depend on multiple student-specific factors including the student's prior training, research interests and progress, and what the student and dissertation advisor plan as a target graduation timeline. Each student will work with their advisor to create an individualized plan that will meet programmatic requirements and support the successful completion of dissertation research. Some courses may not be required of each student, depending on their background, to avoid unnecessary duplication and to maintain focus within the chosen research area. This decision will be made after consultation with the Director of Graduate Studies.

In general, the first year of study will focus heavily on required coursework. The focus on required coursework will extend into the second year for students who enter without a prior master's degree in statistics or biostatistics or equivalent experience. During the second and third years, PhD students will begin to specialize, acquiring the tools and techniques required for their chosen area of expertise. With an advisor selected and a dissertation topic identified, the student and their advisor (with oversight/approval from the Director of Graduate Studies) will identify courses in one or more complementary areas to give the student additional background and perspective in other field(s) of study deemed relevant to the student's program of study. Since the program is tailored to the needs and career goals of each student, the nature of complementary coursework will differ for each student.

The timelines and course selections presented below (Example Scenario #1 and #2) are for illustration only and do not represent a recommended sequence that will apply to all students. They do, however, outline a general progression.

Example Scenario #1: Student with master's in (bio)statistics or equivalent training

| | FALL | SPRING | SUMMER |
|---|---|---|---|
| **YEAR 1** | BIOSTAT 900. Current Problems in Biostatistics<br>BIOSTAT 906. Statistical Inference<br>STAT 711. Probability and Measure Theory<br>BIOSTAT 713. Survival Analysis<br>BIOSTAT 719. Generalized Linear Models | BIOSTAT 900. Current Problems in Biostatistics<br>BIOSTAT 905. Linear Models and Inference<br>BIOSTAT 910. Career Development and Prep<br>BIOSTAT 714. Categorical Data Analysis<br>BIOSTAT 718. Correlated and Longitudinal Data<br>BIOTRAIN 751. The Responsible Scientist I | Research Rotation #1 |
| **YEAR 2** | BIOSTAT 900. Current Problems in Biostatistics<br>BIOSTAT 911. Modern Inferential Techniques/Theory<br>ELECTIVE #1<br>Research Rotation #2 | BIOSTAT 900. Current problems in Biostatistics<br>ELECTIVE #2<br>ELECTIVE #3<br>BIOTRAIN 753. RCR Modules<br>Select Dissertation Advisor; Dissertation Research | Dissertation Research |
| **YEAR 3** | BIOSTAT 900. Current Problems in Biostatistics<br>ELECTIVE #4<br>ELECTIVE #5<br>Dissertation research | BIOSTAT 900. Current Problems in Biostatistics<br>BIOTRAIN 754. The Responsible Scientist II.<br>PhD Oral Preliminary Exam | Dissertation Research |
| **YEAR 4** | BIOSTAT 900. Current Problems in Biostatistics<br>RCR Forum Elective #1<br>Dissertation Research | BIOSTAT 900. Current Problems in Biostatistics<br>RCR Forum Elective #2<br>Dissertation Defense | Graduation |

Example Scenario #2: Student with no prior master's in (bio)statistics or equivalent training

| | FALL | SPRING | | SUMMER |
|---|---|---|---|---|
| **YEAR 1** | BIOSTAT 900. Current Problems in Biostatistics<br>BIOSTAT 701. Intro to Statistical Theory and Methods I<br>BIOSTAT 702. Applied Biostatistical Methods I<br>BIOSTAT 703. Intro to the Practice of Biostatistics I | BIOSTAT 900. Current Problems in Biostatistics<br>BIOSTAT 704. Intro to Statistical Theory and Methods II<br>BIOSTAT 705. Applied Biostatistical Methods II<br>BIOSTAT 706. Intro to the Practice of Biostatistics I<br>BIOTRAIN 751. The Responsible Scientist I | | Optional Master's Qualifying Exam<br>Research Rotation #1 |
| **YEAR 2** | BIOSTAT 900. Current Problems in Biostatistics<br>BIOSTAT 906. Statistical Inference<br>STAT 711. Probability and Measure Theory<br>BIOSTAT 713. Survival Analysis<br>BIOSTAT 719. Generalized Linear Models | BIOSTAT 900. Current Problems in Biostatistics<br>BIOSTAT BIOSTAT 905. Linear Models and Inference<br>BIOSTAT 714. Categorical Data Analysis<br>BIOSTAT 718. Correlated and Longitudinal Data<br>BIOSTAT 910. Career Development and Prep | | Research Rotation #2 |
| **YEAR 3** | BIOSTAT 900. Current Problems in Biostatistics<br>BIOSTAT 911. Modern Inferential Techniques/Theory<br>ELECTIVE #1<br>ELECTIVE #2<br>Select Dissertation Advisor<br>Dissertation research | BIOSTAT 900. Current problems in Biostatistics<br>BIOTRAIN 753. RCR Modules<br>ELECTIVE #3<br>ELECTIVE #4<br>Dissertation research<br>PhD Oral Preliminary Exam | | Dissertation Research |
| **YEAR 4** | BIOSTAT 900. Current Problems in Biostatistics<br>ELECTIVE #5<br>Dissertation research | BIOSTAT 900. Current Problems in Biostatistics<br>BIOTRAIN 754. The Responsible Scientist II.<br>Dissertation research | | Dissertation Research |
| **YEAR 5** | BIOSTAT 900. Current Problems in Biostatistics<br>RCR Forum Elective #1<br>Dissertation Research | BIOSTAT 900. Current Problems in Biostatistics<br>RCR Forum Elective #2<br>Dissertation Defense | | Graduation |