<table>
<thead>
<tr>
<th>Fall Term*</th>
<th>Spring Term*</th>
<th>Summer Term*</th>
</tr>
</thead>
</table>
| Required Coursework:  
GBS 707: Basic Biochemistry (9/20/2016-10/31-2016) 30 days  
GBS 708: Basic Genetics (8/9/2016-9/19/2016) 29 days  
GBS 709: Basic Bio. Organization (except MSTP)  
MCP Seminar (Weekly) (11/1/2016-12/16/2016) 30 days with week of Thanksgiving off  
Research Rotations:  
Lab Rotation 1: GBS 795 (Aug. 15-Oct. 14)***  
Lab Rotation 2: GBS 796 (Oct. 17-Dec. 16)(start) | Required Coursework:  
GBS 750: Nerves, Muscles, and Bones  
GBS 751: Heart, Lung, and Kidney  
GBS 752: GI, Endo., Immune  
GBS 753: Pharm. and Mol. Medicine Seminar(weekly): As selected  
Research Rotations:  
Lab Rotation 3: GBS 797 (Jan. 9-March 10)(conclude)  
Lab Rotation 4: GBS 794 (March 10) (if needed)  
Mentor Selection (target date May 1) | GBSC 726: Scientific Comm. & Review (May)  
GBSC 722: Sp. Topic: Intro to Biostats (June/July)  
Non-dissertation Research: GBS 798^ |
| Non-dissertation Research: GBS 798^  
Required Coursework:  
***GBS 703: Res Analysis & Presentation  
GRD 717: Bioethics (or in spring)  
Journal Club (4 to complete) †  
Elective Courses (A total of 3 advanced courses to complete which should be decided by mentor and thesis committee)  
Submit updated CV (target date Sept. 1)  
Committee formed (target date is Jan. 2) | Non-dissertation Research: GBS 798^  
Required Coursework:  
Journal Club (4 to complete) †  
GRD 717: Bioethics (if not taken in the fall)  
Elective Courses (A total of 3 advanced courses to complete which should be decided by mentor and thesis committee) | Non-dissertation Research: GBS 798^  
Required Coursework:  
Journal Club (4 to complete) †  
Elective Courses (A total of 3 advanced courses to complete which should be decided by mentor and thesis committee) | |
| Non-dissertation Research: GBS 798^  
Required Coursework:  
***GBS 703: Res Analysis & Presentation  
Journal Club (4 to complete) †  
Elective Courses (A total of 3 advanced courses to complete which should be decided by mentor and thesis committee)  
Submit updated CV (target date Sept. 1)  
Committee Meeting (1 per year min.)  
Qualifying Exam (target Oct./Nov. third year)** | Dissertation Research: GBS 799^  
Required Coursework: None  
Journal Club (4 to complete) †  
Elective Courses (A total of 3 advanced courses to complete which should be decided by mentor and thesis committee) | Dissertation Research: GBS 799^  
Required Coursework: None  
Elective Courses (A total of 3 advanced courses to complete which should be decided by mentor and thesis committee) | |
| Dissertation Research: GBS 799^  
Required Coursework:  
***GBS 703: Res Analysis & Presentation  
Journal Club (4 to complete) †  
Elective Courses (A total of 3 advanced courses to complete which should be decided by mentor and thesis committee)  
Submit updated CV (target date Sept. 1) |  |  |
### Committee Meeting (1 per year min.)

<table>
<thead>
<tr>
<th>Required Coursework:</th>
<th>Dissertation Research: GBS 799^</th>
</tr>
</thead>
<tbody>
<tr>
<td>GBS 703: Res Analysis &amp; Presentation <em>(if not defending)</em></td>
<td>Dissertation Research: GBS 799^</td>
</tr>
<tr>
<td></td>
<td>Dissertation Defense (public and private)</td>
</tr>
<tr>
<td></td>
<td>Graduation</td>
</tr>
</tbody>
</table>

* Each term registration, 9 credit hours
** Students must be admitted to candidacy for a minimum of 1 year before thesis defense.
*** Example Rotation dates, AY 2016-2017
**** Students must register each Fall unless in the semester of defense
^ Students may count the same JClub twice toward completion of degree, but can only repeat one course, so that of the four, at least 3 are unique. Students should not participate in more than 2 JClubs per term.
^ MSTP students register for MSTP 798 or MSTP 799

### Additional theme requirements

**Publications:** Two first-authored publications recommended overall

**Presentations:** One research presentation/year recommended, starting in Year 2