

	Fall Term*	Spring Term*	Summer Term*
1	<p><b>Required Coursework:</b>  <b>GBS 707:</b> Basic Biochemistry  <b>GBS 708:</b> Basic Genetics  <b>GBS 709:</b> Basic Bio. Organization (<i>except MSTP</i>)  <b>GBS 704:</b> Intro. to Experimental Medicine (<i>except MSTP</i>)  MCP Seminar (Weekly)</p> <p><b>Research Rotations:</b>  <b>Lab Rotation 1: GBS 795 (Aug.27-Nov.16)***</b>  <b>Lab Rotation 2: GBS 796 (Nov. 19-Feb. 8)(start)</b></p>	<p><b>Required Coursework:</b>  <b>GBS 750:</b> Nerves, Muscles, and Bones  <b>GBS 751:</b> Heart, Lung, and Kidney  <b>GBS 752:</b> GI, Endo., Immune  <b>GBS 753:</b> Pharm. and Mol. Medicine  Seminar(weekly): As selected</p> <p><b>Research Rotations:</b>  <b>Lab Rotation 2: GBS 796 (Nov. 19-Feb. 8)(conclude)</b>  <b>Lab Rotation 3: GBS 797 (Feb. 11-April 19)</b></p> <p><b>Mentor Selection</b> (target date May 1)</p>	<p><b>Non-dissertation Research: GBS 798<sup>^</sup></b></p> <p><b>Required Courses:</b> None</p>
2	<p><b>Non-dissertation Research: GBS 798<sup>^</sup></b></p> <p><b>Required Coursework:</b>  <b>PAT 704:</b> Pathology Res: Data Analysis  <b>GRD 717:</b> Bioethics  <b>BY 755:</b> Biometry  <b>Journal Club</b> (4 to complete)<sup>+</sup></p> <p><b>Elective Courses</b> (3 courses to complete)</p> <p><b>Submit updated CV</b> (target date Sept. 1)</p> <p><b>Committee formed</b> (target date is Jan. 5)</p>	<p><b>Non-dissertation Research: GBS 798<sup>^</sup></b></p> <p><b>Required Coursework:</b>  <b>Journal Club</b> (4 to complete)<sup>+</sup></p> <p><b>Elective Courses</b> 3 courses to complete)</p>	<p><b>Non-dissertation Research: GBS 798<sup>^</sup></b></p> <p><b>Required Coursework:</b>  <b>Journal Club</b> (4 to complete)<sup>+</sup></p>
3	<p><b>Non-dissertation Research: GBS 798<sup>^</sup></b></p> <p><b>Required Coursework:</b>  <b>PAT 704:</b> Pathology Res: Data Analysis  <b>Journal Club</b> (4 to complete)<sup>+</sup></p> <p><b>Elective Courses</b> (3 courses to complete)</p> <p><b>Submit updated CV</b> (target date Sept. 1)</p> <p><b>Committee Meeting</b> (1 per year min.)</p> <p><b>Qualifying Exam</b> (target Oct./Nov. third year)**</p>	<p><b>Dissertation Research: GBS 799<sup>^</sup></b></p> <p><b>Required Coursework:</b> None  <b>Journal Club</b> (4 to complete)<sup>+</sup></p> <p><b>Elective Courses</b> (3 courses to complete)</p>	<p><b>Dissertation Research: GBS 799<sup>^</sup></b></p>
4	<p><b>Dissertation Research: GBS 799<sup>^</sup></b></p> <p><b>Required Coursework:</b>  <b>PAT 704:</b> Pathology Res: Data Analysis  <b>Journal Club</b> (4 to complete)<sup>+</sup></p> <p><b>Elective Courses</b> (3 courses to complete)</p> <p><b>Submit updated CV</b> (target date Sept. 1)</p> <p><b>Committee Meeting</b> (1 per year min.)</p>	<p><b>Dissertation Research: GBS 799<sup>^</sup></b></p> <p><b>Required Coursework:</b> None</p> <p><b>Elective Courses</b> (3 courses to complete)</p>	<p><b>Dissertation Research: GBS 799<sup>^</sup></b></p>



<b>5</b>	<b>Dissertation Research: GBS 799<sup>^</sup></b>  <b>Required Coursework:</b> <b>PAT 704:</b> Pathology Res: Data Analysis <i>(if not defending)</i>	<b>Dissertation Research: GBS 799<sup>^</sup></b>  <b>Dissertation Defense (public and private)</b>  <b>Graduation</b>	
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\*Each term registration, 9 credit hours

\*\*Students must be admitted to candidacy for a minimum of 1 year before thesis defense.

\*\*\* Example Rotation dates, AY2012-2013

†Students may count the same JClub twice toward completion of degree. 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 required overall

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

*GBS 5.15.2012*