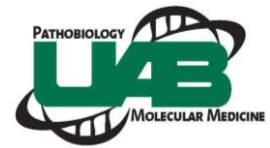
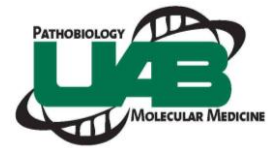


**Pathobiology and Molecular Medicine
Theme Training Plan**



	Fall Term*	Spring Term*	Summer Term*
1	<p>Required Coursework: GBS 707: Basic Biochemistry GBS 708: Basic Genetics GBS 709: Basic Bio. Organization (<i>except MSTP</i>) GBS 704: Intro. to Experimental Medicine (<i>except MSTP</i>) MCP Seminar (Weekly)</p> <p>Research Rotations: Lab Rotation 1: GBS 795 (Aug.27-Nov.16)*** Lab Rotation 2: GBS 796 (Nov. 19-Feb. 8)(start)</p>	<p>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</p> <p>Optional Coursework: BY 755: Biometry* (can be taken in Year 2 spring)</p> <p>Research Rotations: Lab Rotation 2: GBS 796 (Nov. 19-Feb. 8)(conclude) Lab Rotation 3: GBS 797 (Feb. 11-April 19)</p> <p>Mentor Selection (target date May 1)</p>	<p>Non-dissertation Research: GBS 798[^]</p> <p>Required Courses: None</p>
2	<p>Non-dissertation Research: GBS 798[^]</p> <p>Required Coursework: GBS 703: Res Analysis & Presentation GRD 717: Bioethics (or in spring) Journal Club (4 to complete)[†]</p> <p>Elective Courses (3 courses to complete)</p> <p>Submit updated CV (target date Sept. 1)</p> <p>Committee formed (target date is Jan. 2)</p>	<p>Non-dissertation Research: GBS 798[^]</p> <p>Required Coursework: Journal Club (4 to complete)[†] GRD 717: Bioethics (if not taken in the fall) BY 755: Biometry (if not taken in Year 1 spring)</p> <p>Elective Courses 3 courses to complete)</p>	<p>Non-dissertation Research: GBS 798[^]</p> <p>Required Coursework: Journal Club (4 to complete)[†]</p>
3	<p>Non-dissertation Research: GBS 798[^]</p> <p>Required Coursework: GBS 703: Res Analysis & Presentation Journal Club (4 to complete)[†]</p> <p>Elective Courses (3 courses to complete)</p> <p>Submit updated CV (target date Sept. 1)</p> <p>Committee Meeting (1 per year min.)</p> <p>Qualifying Exam (target Oct./Nov. third year)**</p>	<p>Dissertation Research: GBS 799[^]</p> <p>Required Coursework: None Journal Club (4 to complete)[†]</p> <p>Elective Courses (3 courses to complete)</p>	<p>Dissertation Research: GBS 799[^]</p>
4	<p>Dissertation Research: GBS 799[^]</p> <p>Required Coursework: GBS 703: Res Analysis & Presentation Journal Club (4 to complete)[†]</p> <p>Elective Courses (3 courses to complete)</p> <p>Submit updated CV (target date Sept. 1)</p> <p>Committee Meeting (1 per year min.)</p>	<p>Dissertation Research: GBS 799[^]</p> <p>Required Coursework: None</p> <p>Elective Courses (3 courses to complete)</p>	<p>Dissertation Research: GBS 799[^]</p>

**Pathobiology and Molecular Medicine
Theme Training Plan**



5	Dissertation Research: GBS 799[^] Required Coursework: GBS 703: Res Analysis & Presentation (<i>if not defending</i>)	Dissertation Research: GBS 799[^] Dissertation Defense (public and private) Graduation	

*Each term registration, 9 credit hours; IF a student elects to take BY 755: Biometry (3 hrs) in Spring of Year 1, however, he/she will have 12 hours this term and should only register for 6 hours in the following Summer term.

**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, 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 required overall

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