

Training Plan<sup>#</sup>

	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</p> <p><b>Recommended Coursework:</b>  <b>GBSC 701:</b> Graduate Student Research Meeting (meets once a mo.)**Attend course but do not register</p> <p><b>Research Rotations:</b>  <b>Lab Rotation 1: GBS 795</b> (Aug. 24-Nov. 18)***  <b>Lab Rotation 2: GBS 796</b> (Nov. 19-March 1)(start)</p> <p><b>Journal Club:</b> None  <b>Seminar:</b> None required</p>	<p><b>Four Course Modules Required (we recommend the following BSB block):</b>  <b>GBS 781:</b> Molecular Enzymology (Jan.)  <b>GBS 782:</b> Molecular Genetics (March)  <b>GBS 783:</b> RNA Biology (Feb.)  <b>GBS 784:</b> Stem Cell Biology (April)</p> <p><b>Recommended Coursework:</b>  <b>GBSC 701:</b> Graduate Student Research Meeting (meets once a mo.)**Attend course but do not register  <b>BY 755:</b> Biometry (You can choose to take this in Year 2 Spring, but this semester is recommended)</p> <p><b>Research Rotations:</b>  <b>Lab Rotation 2: GBS 796</b> (Nov. 19-March 1)(conclude)  <b>Lab Rotation 3: GBS 797</b> (Mar. 2-May 26)</p> <p><b>Journal Club:</b> None  <b>Seminar:</b> None required</p> <p><b>Mentor Selection</b> (target date May 1)</p>	<p><b>GBS 747:</b> Sp. Topic Scientific Comm. &amp; Review (May)</p> <p><b>GBS 797</b>  <b>And/or*</b>  <b>GBS 798^:</b> Non-dissertation research  <b>(Discuss which to register for with the theme manager)</b></p> <p><b>Elective/Advanced Course(s):</b> None</p> <p><b>Journal Club:</b> None  <b>Seminar:</b> None</p>
2	<p><b>Non-dissertation Research: GBS 798^</b></p> <p><b>Required Coursework:</b>  <b>GRD 717:</b> Bioethics (now or in the spring)  <b>GBSC 701:</b> Graduate Student Research Meeting  <b>Journal Club :</b> Required (selected by the student and mentor)</p> <p><b>Elective/Advanced Course(s):</b> A total of 3 advanced courses which should be decided by mentor and thesis committee.</p> <p><b>Seminar:</b> None required</p> <p><b>Submit updated CV</b> (target date Sept. 1)  <b>Committee formed</b> (target date is Jan. 2)</p>	<p><b>Non-dissertation Research: GBS 798^</b></p> <p><b>Required Coursework:</b>  <b>BY 755:</b> Biometry (if not taken in Year 1 Spring)  <b>GRD 717:</b> Bioethics (if not taken in the fall)  <b>GBSC 701:</b> Graduate Student Research Meeting  <b>Journal Club :</b> Required (selected by the student and mentor )</p> <p><b>Elective/Advanced Course(s):</b> A total of 3 advanced courses which should be decided by mentor and thesis committee.</p> <p><b>Seminar:</b> None required</p> <p><b>Committee meeting</b> (target date by end of May)</p>	<p><b>Non-dissertation research: GBS 798^</b></p> <p><b>Elective/Advanced Course(s):</b> A total of 3 advanced courses which should be decided by mentor and thesis committee.</p> <p><b>Journal Club:</b> None  <b>Seminar:</b> None</p>
3	<p><b>Non-dissertation research: GBS 798^</b></p> <p><b>Required Coursework:</b>  <b>GBSC 701:</b> Graduate Student Research Meeting</p>	<p><b>Non-Dissertation research: GBS 798^</b></p> <p><b>Required Coursework:</b>  <b>GBSC 701:</b> Graduate Student Research Meeting  <b>Journal Club :</b> Required (selected by the student and mentor)</p>	<p><b>Dissertation research: GBS 799^</b></p> <p><b>Elective/Advanced Course(s):</b> A total of 3 advanced courses</p>

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<p><b>Journal Club</b> : Required (selected by the student and mentor )</p> <p><b>Elective/Advanced Course(s)</b>: A total of 3 advanced courses which should be decided by mentor and thesis committee.</p> <p><b>Seminar</b>: None required</p> <p><b>Submit updated CV</b> (target date Sept. 1)</p> <p><b>Qualifying Exam</b> (target date is Oct/Nov)</p>	<p><b>Elective/Advanced Course(s)</b>: A total of 3 advanced courses which should be decided by mentor and thesis committee.</p> <p><b>Seminar</b>: None required</p> <p><b>Qualifying Exam**/Admission to Candidacy</b></p>	<p>which should be decided by mentor and thesis committee.</p> <p><b>Journal Club</b>: None</p> <p><b>Seminar</b>: None</p>
<p><b>Dissertation research: GBS 799<sup>^</sup></b></p> <p><b>Required Coursework:</b> <b>GBSC 701</b>: Graduate Student Research Meeting</p> <p><b>Journal Club</b> : Required (selected by the student and mentor)</p> <p><b>Seminar</b>: None required</p> <p><b>Submit updated CV</b> (target date Sept. 1)</p> <p><b>Committee Meeting</b> (min. of 1/year)</p>	<p><b>Dissertation research: GBS 799<sup>^</sup></b></p> <p><b>Required Coursework:</b> <b>GBSC 701</b>: Graduate Student Research Meeting</p> <p><b>Journal Club</b> : Required (selected by the student and mentor )</p> <p><b>Seminar</b>: None required</p>	<p><b>Dissertation research: GBS 799<sup>^</sup></b></p> <p><b>Journal Club</b>: None</p> <p><b>Seminar</b>: None</p>
<p><b>Dissertation research: GBS 799<sup>^</sup></b></p> <p><b>Required Coursework:</b> <b>GBSC 701</b>: Graduate Student Research Meeting</p> <p><b>Journal Club</b> : Required (selected by the student and mentor)</p> <p><b>Seminar</b>: None</p> <p><b>Submit updated CV</b> (target date Sept. 1)</p> <p><b>Committee Meeting</b> (min. of 1/year)</p>	<p><b>Dissertation research: GBS 799<sup>^</sup></b></p> <p><b>Required Coursework:</b> <b>GBSC 701</b>: Graduate Student Research Meeting</p> <p><b>Journal Club</b> : Required (selected by the student and mentor)</p> <p><b>Seminar</b>: None</p>	<p><b>Dissertation Defense**</b> (public &amp; private)</p> <p><b>Graduation</b></p>
<p><b>6</b> <i>(if needed)</i> <b>Dissertation Defense**</b> (public &amp; private)</p> <p><b>Graduation</b></p>		

\*Each term registration, 9 credit hours

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

\*\*\* Example Rotation dates, AY2015-16

<sup>^</sup> MSTP students register for MSTP 798 or MSTP 799

**# Additional theme requirements**

Publications: One published paper

Presentations: At least one (1) presentation at a national or international scientific meeting

*Exceptions to these guidelines rest with the committee*