<table>
<thead>
<tr>
<th>Fall Term</th>
<th>Spring Term</th>
<th>Summer Term</th>
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</thead>
</table>
| **Coursework**<sup>2</sup>:  
GBS 707: Basic Biochemistry  
GBS 708: Basic Genetics  
GBS 709: Basic Bio. Organization  

**Research Rotations**:  
Lab Rotation 1: GBS 795 (Aug 24-Nov 18)<sup>3</sup>  
Lab Rotation 2: GBS 796 (Nov 19 – Mar 1) (start)  

**Journal Club**: None  
**Seminar**: Weekly attendance at Department of Microbiology or other seminar  

**Non-dissertation Research**: GBS 798  
**Coursework**:  
GRD 717: Bioethics  
GBS 759: Dev Pres Skills in Micro Res  
**Journal Club**: required  

**Elective/Advanced Course(s)**:<sup>4</sup>:  
3 required during training  
**Seminar**: Weekly attendance at Department of Microbiology or other seminar  

**2<sup>nd</sup> Yr. Prelim. Mtg.**: by Oct. 15<sup>th</sup>  
**Qualifying Exam**: Spring of 2<sup>nd</sup> year  

**Non-Dissertation research**: GBS 798  
**Coursework**:  
BY 755: Biometry (if not taken in spring of first year, must be taken by end of second year)  
GBS 759: Dev Pres Skills in Micro Res  
**Journal Club**: required  

**Elective/Advanced Course(s)**:<sup>4</sup>:  
3 required during training  
**Seminar**: Weekly attendance at Department of Microbiology or other seminar  

**Committee Meeting (1 additional this year)**  

**Non-dissertation Research**: GBS 798  
**Coursework**:  
GRD 717: Bioethics  
**Journal Club**: required  

**Elective/Advanced Course(s)**:<sup>4</sup>:  
3 required during training  
**Seminar**: Weekly attendance at Department of Microbiology or other seminar  

**Committee Meeting (1 additional this year)**

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| **Coursework**<sup>2</sup>:  
GBS 762: Virology  
GBS 763: Microbial Pathogenesis  
GBS 768: Communicating Science  
BY 755: Biometry (if not taken in spring of first year, must be taken by end of second year)  

**Research Rotations**:  
Lab Rotation 2: GBS 796 (Nov 19 – Mar 1) (conclude)  
Lab Rotation 3: GBS 797 (March 2-May 30) (start)  

**Journal Club**: None  
**Seminar**: Weekly attendance at Department of Microbiology or other seminar  

**Mentor Selection** (target date May 1)  

**Non-Dissertation research**: GBS 798  
**Coursework**:  
GRD 717: Bioethics  
**Journal Club**: required  

**Elective/Advanced Course(s)**:<sup>4</sup>:  
3 required during training  
**Seminar**: None  

**Committee Meeting (1 additional this year)**

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| **Coursework**<sup>2</sup>:  
GBS 759: Dev Pres Skills in Micro Res  
**Journal Club**: required  

**Elective/Advanced Course(s)**:<sup>4</sup>:  
3 required during training  
**Seminar**: Weekly attendance at Department of Microbiology or other seminar  

**Admission to Candidacy Committee Meeting**: Fall of 3<sup>rd</sup> year  

**Dissertation research**: GBS 799  
**Coursework**:  
GBS 759: Dev Pres Skills in Micro Res  
**Journal Club**: required  

**Elective/Advanced Course(s)**:<sup>4</sup>:  
3 required during training  
**Seminar**: Weekly attendance at Department of Microbiology or other seminar  

**Committee Meeting (1 additional this year)**

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| **Coursework**<sup>2</sup>:  
**Journal Club**: required  

**Elective/Advanced Course(s)**:<sup>4</sup>:  
3 required during training  
**Seminar**: None  

**Committee Meeting (1 additional this year)**

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### Training Plan for Graduate Students

<table>
<thead>
<tr>
<th>Term</th>
<th>Dissertation research: GBS 799</th>
<th>Coursework:</th>
<th>Elective/Advanced Course(s)</th>
<th>Seminar</th>
<th>Committee Meeting (2 per year)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td></td>
<td>GBS 759: Dev Pres Skills in Micro Res</td>
<td>3 required during training</td>
<td>Weekly attendance at Department of Microbiology or other seminar</td>
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<td></td>
<td></td>
<td>Journal Club: required</td>
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<tr>
<td>5</td>
<td></td>
<td>GBS 759: Dev Pres Skills in Micro Res</td>
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<td></td>
<td></td>
<td>Journal Club: required</td>
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<tr>
<td>6</td>
<td>(if needed)</td>
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<td>Journal Club: required</td>
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1. Each term registration: total 9 credit hours, except Equity and Diversity Scholars 10 credit hours Fall/12 credit hours Spring/10 credit hours Summer.
2. Exceptions require permission of Theme Director.
4. **Advanced courses are 700-level, 3 credit hours, letter grade. If in doubt, consult Theme Director.**
   - May take one first year course (Jan-April modules) as an advanced course with additional work. Requires permission of instructor and Theme Director.
   - May take both sections of first-year Immunology (Nov-Dec, Jan) to count as a single advanced course without additional work IF you have not previously taken either section. Requires permission of instructor and Theme Director.
   - May take a single off-campus course to count for advanced credit. Requires permission of Theme Director. Consult with Theme Director for acceptable courses and requirements.
5. Must be admitted to candidacy for a minimum of 1 year before dissertation defense.

# Additional theme requirements

- **Publications:** Two (2) accepted or published first author papers
- **Presentations:** At least one (1) presentation at a national or international scientific meeting

Exceptions to these guidelines rest with the committee.