### 2017-2018 Training Plan

#### Genetics, Genomics and Bioinformatics

**UAB GRADUATE BIOMEDICAL SCIENCES**

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<th>Fall Term*</th>
<th>Spring Term*</th>
<th>Summer Term*</th>
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<td><strong>Required Coursework:</strong>&lt;br&gt;GBS 707: Basic Biochemistry (9.19.17 - 10.30.17)&lt;br&gt;GBS 708: Basic Genetics (8.8.17 - 9.18.17)&lt;br&gt;GBS 709: Basic Bio. Organ. (10.31.17 – 12.15.17)&lt;br&gt;Research Rotations:&lt;br&gt;GBS 795: Lab Rotation 1 (8.14.17 - 10.13.17)&lt;br&gt;GBS 796: Lab Rotation 2 (10.16.17 - 12.15.17)&lt;br&gt;Journal Club: Participation/Attendance required&lt;br&gt;Seminar: Participation/Attendance required&lt;br&gt;- Registration not required</td>
<td>Four Course Modules Required&lt;br&gt;We recommend the following GGB block:&lt;br&gt;GS 724: Principles of Human Genetics (1.8.18 – 2.2.18)&lt;br&gt;GBS 720: Genomic Structure/Function (2.5.18 – 3.2.18)&lt;br&gt;GBS 722: Bioinformatics (3.5.18 – 3.30.18)&lt;br&gt;GBSC 718: Epigenetics (4.2.18 – 4.27.18)&lt;br&gt;Research Rotations:&lt;br&gt;GBS 797: Lab Rotation 3 (1.8.18 – 3.9.18)&lt;br&gt;GBS 794: Lab Rotation 4 (3.12.18 – 5.11.18) *if needed&lt;br&gt;Journal Club: Participation/Attendance required&lt;br&gt;Seminar: Participation/Attendance required&lt;br&gt;- Registration not required</td>
<td>Required Coursework:&lt;br&gt;GBS 717: Methods &amp; Scientific Logic&lt;br&gt;(4.30.18 – 5.25.18)&lt;br&gt;GBS 723: Model Systems for Genetic Analysis&lt;br&gt;GBSC 731: Intro to Biostats&lt;br&gt;(6.1.18 – 7.31.18)&lt;br&gt;GBS 798: Non-dissertation research&lt;br&gt;Journal Club: None&lt;br&gt;Seminar: None&lt;br&gt;Mentor Selection: Target date Jun 1</td>
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<td><strong>Elective/Advanced Course(s):</strong> A total of 3 advanced courses which should be decided by mentor and thesis committee.</td>
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| Journal Club: Choice of JC is discretion of student/mentor<br>Seminar: Participation/Attendance required<br>- Registration not required | **Required Coursework:**<br>GBS 799: Dissertation research<br>Journal Club: Choice of JC is discretion of student/mentor<br>Seminar: Participation/Attendance required<br>- Registration not required<br>Committee formed & Committee Meeting<br>- **Qualifying Exam/Admission to Candidacy** | **Required Coursework:**<br>GBS 799: Dissertation research<br>Journal Club: None<br>Seminar: None<br>Committee Meeting<br>- Graduation **Students must be admitted to candidacy for a minimum of 1 year before thesis defense.**

* Students must register for 9 hours each semester, for a total of 27 hours per year. Equity and Diversity Scholars must register for 10 hours Fall, 12 hours Spring, and 10 hours Summer, for a total of 32 hours per year. Any hours over must be approved by your program.

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

**Additional theme requirements:**
- Publications: Two first authored papers
- Presentations: At least one (1) presentation at a national or international scientific meeting

*Updated 7.27.17 JS*