# UAB GRADUATE BIOMEDICAL SCIENCES Training Plan

## Fall Term*

**Required Coursework:**
- GBS 707: Basic Biochemistry
- GBS 708: Basic Genetics
- GBS 709: Basic Bio. Organization
- GBS 780: BSB Laboratory Methods

**Recommended Coursework:**
- BMG 769: Graduate Student Research Meeting (meets once a mo.)** Attend course but do not register

**Research Rotations:**
- Lab Rotation 1: GBS 795 (Aug. 26-Nov. 20)***
- Lab Rotation 2: GBS 796 (Nov. 21-Feb. 26)(start)

**Journal Club:** None
**Seminar:** None required

## Spring Term*

**Four Course Modules Required (we recommend the following BSB block):**
- GBS 781: Molecular Enzymology
- GBS 782: Molecular Genetics
- GBS 783: RNA Biology
- GBS 784: Stem Cell Biology

**Recommended Coursework:**
- BMG 769: Graduate Student Research Meeting (meets once a mo.)** Attend course but do not register

**Research Rotations:**
- Lab Rotation 2: GBS 796 (Nov. 21-Feb. 26)(conclude)
- Lab Rotation 3: GBS 797 (Feb. 27-May 28)

**Journal Club:** None
**Seminar:** None required

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

## Summer Term*

**Non-dissertation research: GBS 798^**

**Required Coursework:**
- GRD 717: Bioethics (now or in the spring)
- BMG 769: Graduate Student Research Meeting

**Journal Club:** Required (selected by the student and mentor)

**Elective/Advanced Course(s):** A total of 3 advanced courses which should be decided by mentor and thesis committee.

**Seminar:** None required
**Submit updated CV (target date Sept. 1)**

**Committee formed (target date is Jan. 5)**

## Year 2 Fall Term*

**Non-dissertation Research: GBS 798^**

**Required Coursework:**
- GBS 707: Basic Biochemistry
- GBS 708: Basic Genetics
- GBS 709: Basic Bio. Organization
- GBS 780: BSB Laboratory Methods

**Recommended Coursework:**
- BMG 769: Graduate Student Research Meeting (meets once a mo.)** Attend course but do not register

**Research Rotations:**
- Lab Rotation 2: GBS 796 (Nov. 21-Feb. 26)(conclude)
- Lab Rotation 3: GBS 797 (Feb. 27-May 28)

**Journal Club:** None
**Seminar:** None required

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

## Year 2 Spring Term*

**Non-dissertation Research: GBS 798^**

**Required Coursework:**
- GRD 717: Bioethics (if not taken in the fall)
- BMG 769: Graduate Student Research Meeting

**Journal Club:** Required (selected by the student and mentor)

**Elective/Advanced Course(s):** A total of 3 advanced courses which should be decided by mentor and thesis committee.

**Seminar:** None required
**Committee meeting (target date by end of May)**

## Year 2 Summer Term*

**Non-dissertation Research: GBS 798^**

**Required Coursework:**
- GBS 707: Basic Biochemistry
- GBS 708: Basic Genetics
- GBS 709: Basic Bio. Organization
- GBS 780: BSB Laboratory Methods

**Recommended Coursework:**
- BMG 769: Graduate Student Research Meeting (meets once a mo.)** Attend course but do not register

**Research Rotations:**
- Lab Rotation 2: GBS 796 (Nov. 21-Feb. 26)(conclude)
- Lab Rotation 3: GBS 797 (Feb. 27-May 28)

**Journal Club:** None
**Seminar:** None required

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

## Year 3 Fall Term*

**Non-dissertation research: GBS 798^**

**Required Coursework:**
- BMG 769: Graduate Student Research Meeting

**Journal Club:** Required (selected by the student and mentor)

**Elective/Advanced Course(s):** A total of 3 advanced courses which should be decided by mentor and thesis committee.

**Seminar:** None required
**Submit updated CV (target date Sept. 1)**

**Committee formed (target date is Jan. 5)**

## Year 3 Spring Term*

**Non-Dissertation Research: GBS 798^**

**Required Coursework:**
- BMG 769: Graduate Student Research Meeting

**Journal Club:** Required (selected by the student and mentor)

**Elective/Advanced Course(s):** A total of 3 advanced courses which should be decided by mentor and thesis committee.

**Seminar:** None required
**Committee meeting (target date by end of May)**

## Year 3 Summer Term*

**Non-dissertation Research: GBS 798^**

**Required Coursework:**
- BMG 769: Graduate Student Research Meeting

**Journal Club:** Required (selected by the student and mentor)

**Elective/Advanced Course(s):** A total of 3 advanced courses which should be decided by mentor and thesis committee.

**Seminar:** None required
**Submit updated CV (target date Sept. 1)**

**Committee formed (target date is Jan. 5)**

## Year 4 Fall Term*

**Non-dissertation research: GBS 799^**

**Required Coursework:**
- BMG 769: Graduate Student Research Meeting

**Journal Club:** Required (selected by the student and mentor)

**Elective/Advanced Course(s):** A total of 4 advanced courses which should be decided by mentor and thesis committee.

**Seminar:** None required
**Committee meeting (target date by end of May)**

## Year 4 Spring Term*

**Non-Dissertation Research: GBS 799^**

**Required Coursework:**
- BMG 769: Graduate Student Research Meeting

**Journal Club:** Required (selected by the student and mentor)

**Elective/Advanced Course(s):** A total of 4 advanced courses which should be decided by mentor and thesis committee.

**Seminar:** None required
**Submit updated CV (target date Sept. 1)**

**Committee formed (target date is Jan. 5)**

## Year 4 Summer Term*

**Non-Dissertation Research: GBS 799^**

**Required Coursework:**
- BMG 769: Graduate Student Research Meeting

**Journal Club:** Required (selected by the student and mentor)

**Elective/Advanced Course(s):** A total of 4 advanced courses which should be decided by mentor and thesis committee.
# 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*