# Program of Study for Biology - Biology Education Majors

## Freshman Year

### Fall Semester

- **FYA 101** Orientation to the Academy
- **EN 101** English Composition I
- **SS 101** African American Experience
- **BY 101** General Biology
- **HI 101** World Civilization

### Spring Semester

- **EN 102** English Composition II
- **SPE 111** Fundamentals of Speech
- **CH 110** Chemical Concepts
- **BY 101L** General Biology Lab
- **PE 101-119** Physical Education

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## Sophomore Year

### Fall Semester

- **ED 300** Technology for Teachers#
- **MA 111** Pre-Calculus II
- **ED 319** Educ of the Exceptional Child#
- **BY 202** Botany
- **PSY 301** Educational Psychology#

### Spring Semester

- **BY 210** Zoology
- **MA 201** Analytic Geometry and Calculus I
- **CH 131** General Chemistry I
- **ED 350** Foundations of Education#
- **BY 304** Genetics
- **BY 304L** Genetics Lab

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## Junior Year

### Fall Semester

- **RE 211** Survey of World Religion
- **CH 132** General Chemistry II
- **CH 132L** General Chemistry II Lab
- **BY 302** Cellular Biology
- **BY 302L** Cellular Biology Lab
- **FL 101** (French or Spanish or Arabic)
- **BY 305** Embryology

### Spring Semester

- **FL 102** (French or Spanish or Arabic)
- **ED 400** Materials and Methods of Teaching
- **ED 421** M and M of Teaching Science
- **CH 305** Organic Chemistry I
- **CH 305L** Organic Chemistry I Lab
- **ES 321** Environmental Science
- **ES 321L** Environmental Science Lab
- **ED 448** Classroom Management

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## Senior Year

### Fall Semester

- **ED 412** Reading in the Content Areas
- **ED 445** Eval and Measurement in Educ
- **BY 405** Microbiology
- **BY 405L** Microbiology Lab
- **BY 406** Molecular Biology and Genetic Engineering
- **BY 406L** Molecular Biology/Gen. Eng. Lab
- **BY 407** Biochemistry
- **BY 407L** Biochemistry Lab

### Spring Semester

- **ED 450** Observation and Teaching
- **BY 449** Senior Seminar
- **ED 449** Senior Seminar

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Total Hours: 135

# Required before entry into TEP

**Effective Fall 2011**

8/17/11