Degree: Bachelor of Science
Major: BIOLOGY
Emphasis: 7-12 Teaching Certification

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**First-Year Seminar (2 sem. Hrs.)**
- UNIV 1101: First-Year Seminar I
- UNIV 1102: First-Year Seminar II

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**Biology Teaching Core**
- BIOL 1406: Biology I
- BIOL 1407: Biology II
- BIOL 2371: Principles of Evolution
- BIOL 2401: Anatomy and Physiology I
- BIOL 2416: Genetics
- BIOL 2421: Microbiology
- *BIOL 3428: Principles of Ecology |
- MATH 2413: Calculus I
- *SMTE 4270: Science Education Topics I (SP)
- *SMTE 4217: Secondary Approaches to Life Science (FL)
- *SMTE 4320: Secondary Science Lab Techniques (FL)

**Chemistry of Life/Cell Biology Requirement- Choose one from the following:**
- *BIOL 3403: Molecular Biology (SP)
- *BIOL 3410: Cell Biology (FL)

**Organismal Animal Requirement- Choose one from the following:**
- *BIOL 3413: Invertebrate Zoology (FL)
- *BIOL 3414: Vertebrate Biology (SP)

**Organismal Plant Requirement- Choose one from the following:**
- *BIOL 2472: Principles of Botany (SP)
- *BIOL 4422: Plant Taxonomy (SP)

**Upper Division Biology Elective - Choose one from the following:**
- BIOL 3325, BIOL 4301, BIOL 4302, BIOL 4308, BIOL 4319, BIOL 4323, BIOL 4328, BIOL 4335, BIOL 4343, BIOL 4370, BIOL 4371, BIOL 4304

**PROFESSIONAL DEVELOPMENT**

**Preliminary Courses:**
- *READ 3353: Content Area Reading for Secondary Students |
- *EDUC 3311: School & Society |

**Field-Base Semester:**
- *EDUC 4606: Planning, Teaching, Assessment & Tech: Grades 7-12 |
- *EDUC 4322: Instructional Design for Special Populations: Grades 7-12 |

**Student Teaching Semester:**
- *EDUC 4312: Classroom Management: Grades 7-12 |
- *EDUC 4993: Student Teaching: Grades 7-12 |

**2.75 MAJOR GPA REQUIRED**

University Requirements
- Minimum Total Hours for degree: 120
- *Upper Division minimum total hours: 45
- *Upper Division minimum residency hours: 36
- *Upper Division minimum major residency hrs: 45
- First Year Seminar Requirement: 2
- Foreign Language Requirement: see catalog

Minimum Major grade point average (GPA):
- *Upper Division minimum total hours: 45
- *Upper Division minimum residency hours: 36
- *Upper Division minimum major residency hrs: 45
- First Year Seminar Requirement: 2
- Foreign Language Requirement: see catalog