BioEd Planning Worksheet: B.S., Biological Sciences, Biology Education Specialization (124-127 hours)  
AY 2015-2016

Student Name: __________________________________ Email: __________________________________

Phone:________________________________ Matriculation Date: ______________________________

Faculty Mentor: ____________________________ Home Dept. ________________________________

**University Core Curriculum** (see Undergraduate Catalog for list of course options): 39-41 hours

**Foundation Skills**

Composition (6 hours)  
- ENGL 101
- ENGL 102

Speech Communication (3 hours)  
- CMST 101

University College (1-3 hours)  
- UCOL 101

**Mathematics (3 hours)**

- MATH 109 [3]

**Disciplinary Studies**

**Fine Arts (3 hours)**

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**Science (6 hours)**

Group I

- CHEM 200, 201, 202 [3]

Group II

- BIOL 200A [3]

**Human Health (2 hours)**

- PHSL 201 and 208 [2]

**Humanities (6 hours)**

- PHIL 307i [3]

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**Social Science (6 hours)**

- PSYC 102 [3]

- EDUC 314 [3]

**Integrative Studies**

**Multicultural (3 hours)**

- EDUC 311 [3]

Biology Education majors must complete a laboratory safety workshop and an online animal care module prior to student teaching. Contact the program coordinator or visit the Biological Sciences website for details.
Requirements for the Biological Sciences Major (Biology Education Track): 55-56 hours

**Biology Core:** 24-25 (+5) hours
- BIOL 200A Cell and Molecular Biology, Genetics and Evolution [1(+3)]
- BIOL 200B Organismal and Ecological Biology [4]
- BIOL 304 Evolution [3]
- BIOL 305 Principles of Genetics [3]
- BIOL 306 Cell Biology [3]
- PHSL 201 Human Physiology and 208 Laboratory Experiences in Physiology [2(+2)]
- MICR 301 Principles of Microbiology or PLB 300 Diversity of Plants, Algae and Fungi or ZOOL 220 Animal Diversity [4-5]
- BIOL 485 or MICR 495 or PHSL 490 or PLB 480 or ZOOL 482 Senior Seminar [1]

**Physical Sciences:** 22 (+3) hours
- Chemistry: 7 (+3) hours
  - CHEM 200 Intro. Chemical Principles [1(+3)]
  - CHEM 201 General Chemistry Lab I [1]
  - CHEM 211 General Chemistry Lab II [1]
- Geology (choose one of the following options): 4 hours
  - GEOL 220 and 223 The Dynamic Earth and lab, or GEOL 221 and 224 Earth Through Time and lab, or GEOL 222 and 223 Environmental Geology and lab
- Astronomy and Physics: 11 hours
  - PHYS 103 Astronomy [3]

**Mathematics** 0(+3) hours
- MATH 109 Trigonometry and Analytic Geometry [0(+3)]

**Statistics:** 3 hours
- QUAN 402 Basic Statistics or MATH 282 Intro. to Statistics or PLB 360 Intro. Biostatistics [3]

**Life Science Electives:** 6 hours of 400-level electives in BIOL, MICR, PHSL, PLB, or ZOOL [6] (prereqs apply)

Requirements of the Teacher Education Program: 30 hours

**Curriculum and Instruction:** 6 hours
- CI 360 Teaching Reading and Writing in the Secondary Content Areas [3]
- CI 468 Science Methods for Middle and Senior High Schools [3]

**Professional Education Sequence:** 24 hours (order: 314>311>313/301>319/302>308/303>401A)
- EDUC 301 Clinical I Reflective Instructional Practices [1]
- EDUC 302 Clinical II Methods of Instructional Practices [1]
- EDUC 308 Characteristics and Methods for Teaching Exceptional Children [3]
- EDUC 311 Diversity in Education [0(+3)]
- EDUC 313 Introduction to Reflective Teaching Practice [3]
- EDUC 314 Human Growth, Development, and Learning [0(+3)]
- EDUC 319 Language and Learning [3]
- EDUC 401A Student Teaching [12]