## Biology Major – Teaching 2019
(Extended Program: 131 hrs.)
2019-2020

### Required Biology
**Introductory Track**
- F/Sp BIOL2051 Organismal Diversity 4
- F/Sp BIOL 2052 Cell Structure/Function 4
- F/Sp BIOL 3100 Evol, Ecol, & NOS 3
- F/Sp BIOL 3140 Genetics 4

**Evolutionary Biology**
- Sp BIOL 4142 Evolutionary Bio. 3

**Plant Group:** select one option from the following list: (see “note” below)
- BIOL 3120; BIOL 4122; BIOL 4166; BIOL 4172

**Animal Group:** select one option from the following list:***
- BIOL 3106; BIOL 4114; BIOL 4146

**Cellular Group:** select one option from the following list:
- BIOL 3151; BIOL 4128

**Electives in Biology** (3000-level or above, excluding BIOL 3101, and not duplicated as a choice above) 4

**Biology Total** 34 Hrs.

**Note:** At least 7-8 hours of biology credit must be 4000-level, from groups or biology electives

***Students who take BIOL 3101 and BIOL 3102 may substitute 4 hrs. of this for BIOL 4114 (in this case neither BIOL 3101 or BIOL 3102 can count as biology elective).**

### Required Cognate
- F/Sp/Su CHEM 1110 Gen. Chemistry I** 4
- F/Sp/Su CHEM 1120 Gen. Chemistry II 4
- F/Sp CHEM 1040 App. & Biochem. 4
- F/Sp/Su EARTHSCI 1320 Earth History 4
- F/Sp/Su PHYSICS 1511 Gen. Physics I 4

**Cognate Total** 20 Hrs.

### Required Methods
- F/Sp TEACHING 3129 Sec Class Manage 1
- Sp *SCI ED 3300 Orient. to Sci. Teach. 4
- F/Sp BIOL 3197 Undergrad Practicum 1
- Sp *BIOL 4193 Methods Teach. Life Sci 3

**Methods Total 9 Hrs.**

Total hours in the Major = 34 + 20 + 9 = 63

Total additional hours Liberal Arts Core = 35 Hrs. (7 hrs. completed in the major, 3 hrs. completed in professional sequence)

III A. Fulfilled by BIOL 2051
III B. Fulfilled by CHEM 1110
V C. Fulfilled by EDPSYCH 2030

**Total hrs. Professional Sequence = 30 Hrs.**
(see below)

**If CHEM 1130 General Chemistry I-II is taken for 5 hrs., then 3 additional hrs. of Biology or Chemistry elective can be taken**

* courses that have field experiences.
Professional Sequence

Level I
TEACHING 2017 1____
Exploring Teaching
ED PSYCH 2030 3____
Dynamics of Human Devel.
(fulfills LAC Category 5C)

Level II
TEACHING 3128 1____
Teacher as Change Agent
ED PSYCH 3148 3____
Learning & Instruction
MEASURES 3150 2____

Level III
SOC FOUND 3119 3____
Schools & Amer. Society

Licensure Requirements
SPED 3150 Needs Diverse Learners 2____
TEACHING 4170 Human Relations 3____

Student Teaching
TEACHING 3138 Secondary Teaching 12____
Class Assessment
### First Year
#### Fall
- **BIOL 2051 or 2052**: 4 hours
- **CHEM 1110**: 4 hours
- **Science Math or LAC Math**: 3-4 hours
- **ENGLISH 1005**: 3 hours

#### Spring
- **BIOL 2051 or 2052**: 4 hours
- **CHEM 1120**: 4 hours
- **LAC or Science Math if needed**: 3-4 hours
- **LAC**: 3 hours
- **COMM 1000**: 3 hours

**Total: 14-15 hours**

### Second Year
#### Fall
- **BIOL 3100 or 3140**: 3-4 hours
- **EARTHSCI 1320**: 4 hours
- **TEACHING 2017**: 1 hour
- **EDPSYCH 2030**: 3 hours
- **LAC**: 3 hours

#### Spring
- **BIOL 3100 or 3140**: 3-4 hours
- **CHEM 1040**: 4 hours
- **TEACHING 2017**: 1 hour
- **EDPSYCH 2030**: 3 hours
- **LAC**: 3 hours

**Total: 14-15 hours**

### Third Year
#### Fall
- **Plant, Animal or Cell**: 4 hours
- **TEACHING 3128**: 1 hour
- **EDPSYCH 3148**: 3 hours
- **MEASRES 3150**: 2 hours
- **PHYSICS 1511**: 4 hours
- **LAC**: 3 hours

#### Spring
- **Plant, Animal or Cell**: 4 hours
- **SPED 3150**: 3 hours
- **LAC**: 3 hours
- **SCIED 3300**: 3 hours

**Total: 17 hours**

### Fourth Year
#### Fall
- **BIOL Elective**: 4 hours
- **Plant, Animal or Cell**: 4 hours
- **LAC**: 3 hours
- **LAC**: 3 hours

#### Spring
- **BIOL 3197**: 1 hour
- **BIOL 4193**: 3 hours
- **BIOL 4142**: 3 hours
- **Capstone Experience**: 2-3 hours
- **SOCFOUND 3119**: 3 hours
- **TEACHING 4170**: 3 hours

**Total: 14 hours**

### Fifth Year
#### Fall
- **TEACHING 3138**: 12 hours

**Total 131-134 Hours**

Updated 9-3-19