

**BIOLOGY: SECONDARY EDUCATION
2015-2016 Election of Major**

Name _____ ID # _____

Planned Degree Completion Date: Mo. _____ Yr. _____

Check Degree Plan: ___BA ___BS

BIOLOGY REQUIREMENTS

1. Biology

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|--|-------|-----------|
| BIOL 106/106L Principles of Biology I & Lab | C-4NB | (4) _____ |
| BIOL 108/108L Principles of Biology II & Lab | | (4) _____ |
| BIOL 222/222L Intro to Molecular Biology & Lab | | (3) _____ |
| BIOL 331/331L Invertebrate Zoology & Lab | | (4) _____ |
| BIOL 360 Genetics | | (4) _____ |
| BIOL 395 Orientation to Research | | (1) _____ |

Four hours of electives in Biology

Three hours selected from:

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|---------------------------------------|-----------|
| BIOL 475 Senior Research in Biology | (3) _____ |
| OR | |
| BIOL 397 Directed Research in Biology | (1) _____ |
| BIOL 494 Senior Research I | (1) _____ |
| BIOL 496 Senior Research II | (1) _____ |

One course selected from each group

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|--|-----------|
| a. BIOL 364/364L Comparative Vertebrate Anatomy & Lab | (4) _____ |
| BIOL 422/422L Vertebrate Physiology & Lab | (4) _____ |
| b. BIOL 241/241L Vascular Plant Systematics & Lab | (4) _____ |
| BIOL 243/243L Intro to Algae, Plants & Fungi & Lab | (3) _____ |
| BIOL 322/322L Plant Physiology & Lab | (4) _____ |
| c. BIOL 315/315L Ecology & Lab | (4) _____ |
| BIOL 413/413L Limnology & Lab | (4) _____ |
| d. BIOL 313/313 L Microbiology & Lab | (4) _____ |
| BIOL 332 DNA Science | (3) _____ |
| BIOL 365 Cell Biology | (3) _____ |

2. Chemistry: Eight hours selected from:

- | | |
|--|-----------|
| CHEM 105/105L Intro to Inorganic Chemistry | (4) _____ |
| CHEM 106/106L Intro to Organic Chemistry | (4) _____ |
| OR | |
| CHEM 111/111L General Chemistry I | (4) _____ |
| CHEM 113/113L General Chemistry II | (4) _____ |

3. Psychology

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|--------------------------------------|-----------|
| PSYCH 110 Introduction to Psychology | (4) _____ |
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PROFESSIONAL EDUCATION

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|--|-----------|
| EDUC 108 Exploring Teaching and Learning | (2) _____ |
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|---|-----------------|
| EDUC 211 The Exceptional Learner | (4) _____ |
| EDUC 237 Educational Psychology | C-4HD (4) _____ |
| EDUC 245 Educational Assessment | (4) _____ |
| EDUC 342 Literacy in the Content Area | (4) _____ |
| EDUC 357 Classroom Management/Conflict Resolution | (4) _____ |
| EDUC 362 Literacy and English Language Learners | (2) _____ |
| EDUC 444 Methods for Secondary Education | (4) _____ |
| EDUC 410 The Teacher in Today's School | (2) _____ |
| EDUC 475 High School Student Teaching | (7) _____ |
| EDUC 477 Jr High/Middle School Student Teaching | (6) _____ |

CORE Program

1 Foundational Skills (WOQ)

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|---|-----------|
| 1FS: FYS First Year Seminar | (4) _____ |
| 1O: COMM 110 Found of Human Communication | (3) _____ |
| 1Q: MATH 113 (BA only) or 115 or 121 or 210 | (3) _____ |

2 Physical Activity and Wellness

- | | |
|-------------------|------------|
| 2PA: PE 101 _____ | (.5) _____ |
| PE 101 _____ | (.5) _____ |
| PE 105 _____ | (.5) _____ |
| PE 105 _____ | (.5) _____ |

3 Integration Into the World

- | | |
|------------------------------------|-----------|
| 3RC: Responsible Citizenship _____ | () _____ |
| 3GC: Global Connections _____ | () _____ |
| 3RC or 3GC: _____ | () _____ |

4 Ways of Knowing (9 Courses)

Philosophical, Religious and Creative Inquiry (1 course in each category)

- | | |
|---------------------------------------|-----------|
| 4RL: Religion _____ | () _____ |
| 4PH: Philosophy _____ | () _____ |
| 4AR: Visual and Performing Arts _____ | () _____ |
| 4LT: Literature _____ | () _____ |

Human Behavior and Institutions (1 course from PSYC, SOC, POSC, or ECON)

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|--------------------------------------|-----------|
| 4HD: EDUC 237 Educational Psychology | X |
| 4HY: PSYC 110 Intro Psychology | X |
| 4H __: _____ | () _____ |

Natural World (2 courses, each in a different discipline)

(Disciplines: B-Biology, C-Chemistry, E-Earth/Space, P-Physics)

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|-------------------------------------|---|
| 4NB: BIOL 106 Principles of Biology | X |
| 4NC: CHEM 105 or 111 | X |

5 Synthesis & Critical Connections (1 course & VIA)

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|---|-----------|
| 5C: Critical Connections: INTD _____ | () _____ |
| VIA (see requirements in <i>Catalog</i>) up to (2) credits | _____ |

(A minimum of 128 credit hours required for graduation.) TOTAL _____

(See other side)

Bachelor of Arts requirements: Intermediate language proficiency at 200 level

___Yes ___ No

REQUIRED SIGNATURES:

Student: I understand that I have final responsibility for monitoring my graduation requirements.

Student Signature: _____ **Date** _____

Advisor: _____ **Date** _____

Department Chair: _____ **Date** _____

Dir of Teacher Ed: _____ **Date** _____