

**BIOLOGY: SECONDARY EDUCATION
2020-2021 Election of Major**

Name _____ ID # _____

Planned Degree Completion Date: Mo. ____ Yr. ____

Check Degree Plan: ____BA ____BS

BIOLOGY REQUIREMENTS

1. Biology

- BIOL 106/106L Principles of Biology I & Lab C-4NB (4) _____
- BIOL 108/108L Principles of Biology II & Lab (4) _____
- BIOL 229/229L Intro to Molecular Biology & Lab (3) _____
- BIOL 331/331L Invertebrate Zoology & Lab (4) _____
- BIOL 260 Genetics (3) _____
- BIOL 395 Orientation to Research (1) _____

Four hours of electives in Biology

Three hours selected from:

- 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

- 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) _____

PROFESSIONAL EDUCATION

- EDUC 111 Exploring Teaching and Learning (3) _____
- EDUC 212 The Exceptional Learner (3) _____
- EDUC 230 Educational Psychology C-4HD (3) _____
- EDUC 246 Educational Assessment (3) _____
- EDUC 343 Literacy in the Content Area (3) _____
- EDUC 353 Classroom Management/Conflict Resolution (3) _____
- EDUC 362 Literacy and English Language Learners (2) _____
- EDUC 410 The Teacher in Today's School (2) _____
- EDUC 440 Methods for Secondary Education (3) _____
- EDUC 475 High School Student Teaching (7) _____
- EDUC 477 Jr High/Middle School Student Teaching (6) _____

CORE Program

1 Foundational Skills

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

2 Integration Into the World

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

3 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)

- 4HD: EDUC 230 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)

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

4 Synthesis & Critical Connections (1 course & VIA)

- 5C: Critical Connections: INTD _____ () _____
- VIA (see requirements in *Catalog*) up to (2) credits _____

(A minimum of 120 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** _____