BIOLOGY• Secondary Education Concentration
BIOLOGICAL SCIENCES DEPARTMENT • HENSON SCHOOL

2018-2019
Rev. 2/19

NAME: ______________________________________________________ ID#: _____________________ DATE: _______________________

UNIVERSITY POLICIES
• Refer to the SU catalog for approved prerequisites and General Education courses.
• Requirements may not equal 120 credit hours. Students must register for additional electives to complete 120 credits required for graduation.
• All graduates must have a minimum of 30 credits of 300/400-level courses with C grade or above; at least 15 of these credits must be taken at SU.
• Students must have a minimum cumulative GPA of 2.0 for graduation.
• Students must complete at least 30 credit hours by direct classroom instruction and/or laboratory experience.
• Students must take 30 of the last 37 credit hours at SU.
• It is the student’s responsibility to satisfy graduation requirements. Please refer to the SU catalog for detailed major requirements.
• Students must apply online for graduation by November 15 for May and by May 15 for December.

GENERAL EDUCATION REQUIREMENTS

<table>
<thead>
<tr>
<th>Course No. &amp; Title</th>
<th>#Credits</th>
<th>Grade</th>
<th>Term Completed</th>
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<tbody>
<tr>
<td>A. C or better in ENGL 103 or HONR 111</td>
<td>4</td>
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<td>B. Literature course (from either ENGL or MDFL Depts.)</td>
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<td>Group II: History (2 courses)</td>
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<td>A. HIST101, 102, or 103</td>
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<td>B. HIST101, 102, 103 or a HIST course above 103</td>
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<td>Group III: Humanities and Social Sciences (3 courses)</td>
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<tr>
<td>A. Select one course from one of the following seven areas: ART, CMAT, DANC or THEA, MDFL, MUSC, PHIL, HONR 211</td>
<td>4</td>
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<td>B. Select one course from one of the following eight areas: ANTH, CADR, ECON or FINA, ENVH, Human GEEOG, POSC, PSYC, SOCI, HONR 112</td>
<td>3/4</td>
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<td>C. Select one course from either Group IIIIA or IIIB</td>
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<td>(course must be from a different area than previously selected)</td>
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<td>Group IV: Natural Science, Math and Computer Science (4 courses)</td>
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<tr>
<td>A. Select courses with laboratories from at least two of the following four areas: BIOL, CHEM, GEOL or Physical GEOG, PHYSI</td>
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<td>B. Select one additional course (need not be a lab) from Group IVA or ENVE or ENVR or COSC or MATH or HONR 212</td>
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<td>C. Select one course from MATH</td>
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<td>Group V: Health Fitness (1 course)</td>
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<td>FTLW106 - Lifelong Fitness and Wellness</td>
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BIOLOGY CORE
Complete the following:
BIOL210* - Biology: Concepts & Methods | 4 | | |
BIOL310 - Ecology | 4 | | |
BIOL350 - Cell Biology | 4 | | |
BIOL375 Evolution | 3 | | |

Complete at least 2 of the following (circle courses taken)
(BIOL212 and 213 recommended for Praxis exam):
BIOL211* - Microbiology | 4 | | |
BIOL212* - Intro. to Plant Biology | 4 | | |
BIOL213* - Zoology | 4 | | |

Complete 1 of the following (circle course taken):
BIOL360 - Genetic Analysis | 4 | | |
BIOL370 - Molecular Genetics | 4 | | |

* Must complete with a C or better before taking any course for which they are a prerequisite.

OTHER BIOLOGY COURSES (BIOL 115 cannot be used)
BIOL - | | |

REQUIRED RELATED SCIENCE COURSES
Complete the following:
CHEM121 - General Chemistry I | 4 | | |
CHEM122 - General Chemistry II | 4 | | |
CHEM221 - Organic Chemistry I | 4 | | |

Complete 1 of the following (circle course taken):
MATH155 - Modern Statistics with Computer Analysis | 3 | | |
MATH198 - Calculus I for Biology and Medicine | 4 | | |
MATH201 - Calculus I | 4 | | |

Complete 1 of the following (circle course taken):
GEOG103 - Introduction to Physical Geology | 4 | | |
GEOG110 - Soil, Water and Environment | 3 | | |
GEOG103 - Introduction to Physical Geology | 4 | | |

Complete 1 of the following (circle course taken):
PHYS121 - General Physics I | 4 | | |
PHYS221 - Physics I | 4 | | |

Complete the following (circle course taken):
BIOL115 - Safety in the Biological, Chemical and Clinical Laboratory | 1 | | |
CHEM207 - Laboratory Safety | 1 | | |
MTC101 - Safety in the Biological, Chemical and Clinical Laboratory | 1 | | |

PRE-PROFESSIONAL EDUCATION REQUIREMENTS

Foundations (with grades of C or better)
EDPS210 - School in a Diverse Society | 3 | | |
SCED300 - Development, Learning and Assessment | 3 | | |

Competency Tests
Show satisfactory results on Praxis Core, SAT or ACT examinations as defined by the Maryland State Department of Education (see education advisor regarding passing scores).

(Education Requirements are on the back)
EDUCATION REQUIREMENTS

PROFESSIONAL PROGRAM ADMISSION REQUIREMENTS
In order to enroll in professional education program courses, students must meet the following requirements:
• Complete an application for formal admission to the professional program. Obtain written approval of the application from both content and education advisors.
• Complete a minimum of 56 college credits with a minimum of 2.50 GPA, including transfer credits.
• Have a cumulative minimum GPA of 2.75 in the major, including transfer credits.
• Complete all pre-professional requirements.
• Complete four courses in the major field.

PROFESSIONAL EDUCATION REQUIREMENTS
Methods (with grades of C or better)
Spring Semester Junior Year
SCED318 - Computers in Education 3
OR
SCED319 - Technology in Education 1
SCED374 - Science and Reading Methods in the Middle and High School Part I 4

Fall Semester Senior Year
SCED367 - Inclusive Instruction for Secondary Teachers 3
SCED434 - Classroom Management 3
SCED474 - Science and Reading Methods in the Middle and High School Part II 4

INTERNERSHIP AND SEMINAR – 14 HOURS
Candidates must meet the following requirements for internship:
• Complete the written application for internship.
• Complete a minimum of 90 credits including methods and at least 8 courses of the academic major (secondary and K-12 programs).
• Have an overall GPA of at least 2.50 including transfer credit.
• Have a minimum GPA of at least 2.75 in the academic major courses, including transfer credit, as defined by the academic department.
• Have a minimum GPA of 2.75 in professional education courses with no grade below C. Students may repeat education courses only once.
• Obtain verification of completion of requirements from the director of field experiences.

Praxis II: (must be taken before graduation)
(date) ___________ Content Knowledge
(date) ___________ Pedagogy