### Department of Teaching & Learning
#### SBIO – Teaching Biology 7-12, (B.S.)
#### Program of Study
#### 2013-2014

<table>
<thead>
<tr>
<th>Total Points Required</th>
<th>128</th>
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#### Liberal Arts Requirements | 40 |
- Morse Academic Plan (MAP) | 28 |
- Foreign Language | 4 |
- Expository Writing | 8 |
  - EXPOS-UA.100 Writing the Essay | 4 |
  - ACE-UE.110 The Advanced College Essay | 4 |
- Foundations of Contemporary Culture | 15 |
  - MAP-UA.xxx/LIBAR-UE.xxxx Texts and Ideas | 4 |
  - MAP-UA.xxx/LIBAR-UE.xxxx Cultures and Contexts | 4 |
  - MAP-UA/LIBAR-UE.xxxx Societies & the Social Sciences* | 4 |
- MATH-UA.121 Calculus I | 4 |

#### Specialization Requirements | 88 |
- Core Content | 55 |
  - BIOL-UA.11/12 Principles of Biology I & II | 8 |
  - BIOL-UA.21/22 Molecular & Cell Biology I & II | 8 |
  - CHEM-UA.125 General Chemistry I & Laboratory | 6 |
  - CHEM-UA.126 General Chemistry II & Laboratory | 6 |
  - CHEM-UA.225 Organic Chemistry I & Laboratory | 6 |
  - PHYS-UA.11 General Physics I | 5 |
  - BIOL-UA.xxxx Four Biology Courses* | 16 |

#### PEDAGOGICAL CORE | 33 |
- Common Pedagogical Core | 21 |
  - SOED-UE.1015 Education as a Social Institution OR Critical Study of Education | 3 |
  - TCHL-UE.1 Inquiries into Teaching and Learning I | 4 |
  - TCHL-UE.5 Field Observations in Schools and Other Educational Settings | 0 |
  - TCHL-UE.1030 Language Acquisition and Literacy Education in a Multilingual and Multicultural Context | 4 |
  - TCHL-UE.1999 Drug and Alcohol Education/Child Abuse Identification/School Violence Prevention: Social Responsibilities of Teachers | 1 |
  - APSY-UE.20 Human Development I | 2 |
  - APSY-UE.23 Human Development II: Early Adolescents and Adolescents | 2 |
  - SPCED-UE.1005 Teaching Students with Disabilities in General Education Classrooms | 4 |
  - EDCT-GE.2018 Integrating Media and Technology into the K-12 Curriculum | 1 |

#### Specialized Pedagogical Core | 12 |
- SCIED-UE.1039 Methods I: Teaching of Science in Middle School and High School | 3 |
- SCIED-UE.1040 Teaching Science in Middle & High Schools II: Methods and Curriculum | 3 |
- SCIED-UE.1911 Student Teaching in Science Education: Middle School | 3 |
- SCIED-UE.1922 Student Teaching in Science Education: High School | 3 |

#### Additional Requirements | 0 |
- SAHS-UE.1 New Student Seminar
- Writing Proficiency Examination

* Selected by Advisement

last updated January 2013