**BIOLOGY – EARLY CHILDHOOD EDUCATION**

**BS DEGREE – 32 COURSE UNITS**

**MAJOR COURSE REQUIREMENTS**

Fulfill via completion of course requirements in three categories

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| **Core Courses**  (11 – giving 13 course units) | **Specialization Courses** (5)  **and Options** (5) | **Correlate Courses**  (7) |
| ECE 102 – Multicultural Children’s Literature for  ECED | BIO 099 – Orientation to Biology  (zero course units) | CHE 201 – General Chemistry I |
| ECE 201 – Infant through Adolescent Development | BIO 185 – Themes in Biology | CHE 202 – General Chemistry II |
| ECE 202 – Theories & Philosophy of Early  Childhood Education | BIO 211 – Biology of the Eukaryotic  Cell | CHE 331 – Organic Chemistry I |
| ECE 301 – Advanced Core Block: Integrating &  Differentiating Instruction for All Learners (2 course units) | BIO 221 – Ecology & Field Biology | MAT 127 – Calculus A |
| ECE 490 – Student Teaching (2 course units) | BIO 231 – Genetics | MAT 105 – Mathematical Structures  & Algorithms for Educators I |
| ECE 498 – Inquiry into Learning | BIO 498 – Biological Seminar  *(Capstone)* | SCI 103 – Physical, Earth & Space  Science |
| MTT 202 – Teaching Math in EC/Elem/Mid School | Biology option course | SCI 104 – Inquiries in the Life  Sciences |
| MST 202 – Methods of Teaching Science, Health,  and Technology | Biology option course |  |
|  | Biology option course |  |
| RAL 222 – Literacy Strategies, Assessment, and  Instruction – ECED | Biology option course |  |
| RAL 322 - Literacy Learning Across the Curriculum–  ECED | Organismal biology option  course (from approved list) |  |
| SOM 203 – Methods of Teaching Social Studies &  Multiculturalism |  |  |

**LIBERAL LEARNING REQUIREMENTS**

Fulfill via Option 4 – Second Major

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| **Arts & Humanities**  (1 course) | **Social Science & History**  (1 course) | **Natural Sciences & Quantitative**  **Reasoning** (Requirements fulfilled by major correlate courses above) |
| ECE 102 – Multicultural Children’s  Literature for ECED (*included in major courses)* | ECE 201 – Infant through Adolescent  Development (*included in major courses)* | Natural Science course |
| Visual or Performing Arts course from  approved list | US history course from approved list | Quantitative Reasoning |

**CIVIC RESPONSIBILITIES, PROFICIENCIES & ELECTIVES**

Fulfill via completion of course requirements in three categories

|  |  |  |
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| **Civic Responsibilities** | **Intellectual & Scholarly Growth** | **Electives (0)** |
| IDS 103 – Community Engaged Learning  (*zero-credit requirement*) | IDS 102 – Information Literacy online tutorial  (*zero-credit requirement*) |  |
|  | **(WRI 101 or 102 may be required freshmen year)** |  |
| **Concepts –** *(fulfilled through liberal learning, other courses, or sustained experience)* | **Writing Intensive Courses:** |  |
| Gender | FSP First Seminar course |  |
| Global Perspective | Mid-level course  *(fulfilled by BIO 221)* |  |
| Race & Ethnicity | Capstone course  *(fulfilled by BIO 498)* |  |

Note: Full list of graduation requirements can be found in the College bulletin and department website.