

## BIOLOGY – EARLY CHILDHOOD EDUCATION BS DEGREE – 32 COURSE UNITS

### MAJOR COURSE REQUIREMENTS

Fulfill via completion of course requirements in three categories

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 ( <i>Capstone</i> )	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	
RAL 222 – Literacy Strategies, Assessment, and Instruction – ECED	Biology option course	
RAL 322 - Literacy Learning Across the Curriculum– ECED	Biology option course	
SOM 203 – Methods of Teaching Social Studies & Multiculturalism	Organismal biology option course (from approved list)	

### LIBERAL LEARNING REQUIREMENTS

Fulfill via Option 4 – Second Major

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 ( <i>included in major courses</i> )	ECE 201 – Infant through Adolescent Development ( <i>included in major courses</i> )	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

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

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