

# INTERDISCIPLINARY MAJOR - COORDINATE MAJOR IN ELEMENTARY OR EARLY CHILDHOOD EDUCATION

(Domain Gen. Ed. courses listed below are required for Elementary Education and recommended for Early Childhood Education Majors)

## SPECIALIZATION IN NATURAL SCIENCES (IDA)

SPONSORING DEPARTMENT: PHYSICS AND EARTH SCIENCES

### DOMAIN GENERAL EDUCATION (11 Courses Required):

<u>COURSE #</u>	<u>TITLE</u>	<u>SUBDOMAINS</u>
		<u>MET</u>
<u>ENGL 110</u>	<u>Expository Writing</u>	<u>CCA</u>
<u>MATH 110</u>	<u>Math for Elem Educators I</u>	<u>CCB</u>
<u>INTD 160</u>	<u>Image, Sound &amp; Structure</u>	<u>IA</u>
<u>ENGL 262</u>	<u>American Writers II</u>	<u>IB</u>
<u>ML</u>	<u>Any language course</u>	<u>IC</u>
<u>MATH 120</u>	<u>Math for Elem Educators II*</u>	<u>IIA</u>
<u>BIOL 101</u>	<u>Biological Concepts</u>	<u>IIB</u>
<u>HIST 151</u>	<u>U.S. History to Reconstruction *</u>	<u>IIIA</u>
<u>PSYC 200</u>	<u>Psychology of Development **</u>	<u>IIIB</u>
<u>GEOG 110</u>	<u>World Regional Geography</u>	<u>IIIC</u>
<u>EDUC 222</u>	<u>Sheltered English Immersion **</u>	<u>IIIC</u>

\*Required of El. Ed.; recommended for Early Childhood

\*\*Required of both El. Ed.; and Early Childhood

### Domain General Education Subdomains (check off as completed)

Common Core:	A. ENGL 110 Expository Writing	_____
	B. MATH XXX (credit-bearing)	_____
Domain I:	A. Creative Arts	_____
	B. Humanities	_____
	C. Language	_____
Domain II:	A. Analysis, Modeling, Prob. Solving	_____
	B. Natural Sciences (two)	X
Domain III:	A. Perspectives on the Past	_____
	B. Perspectives on Contemp. World	_____
	C. Global Comp., Eth. Reas., Human Div.	_____

\_\_\_\_\_ Laboratory Science    \_\_\_\_\_ Study of the Constitutions

X = Fulfilled through major

### INTERDISCIPLINARY MAJOR SPECIALIZATION (12):

#### Two Core Courses:

#### Writing elective (choose one)

ENGL 225 Intro. to Journalism    ENGL 284 Creative Nonfiction  
ENGL 280 Persuasive Writing    ENGL 286 Professional Writing  
ENGL 282 Creative Writing        ENGL 311 Writing about Science

#### Mathematics course

MATH 200 Precalculus

#### Two Biology Courses; at least one must have a lab component:

BIOL \_\_\_\_\_

#### One course from the following:

BIOL 114 A Human Perspective on Genetics  
BIOL 142 Introduction to Human Biology (Lab)

BIOL \_\_\_\_\_

#### One course from the following:

BIOL 103 Biological Perspectives on Environmental Issues  
BIOL 203 Plants and Society  
BIOL 248 Principles of Ecology (Lab)

#### Three Chemistry Courses:

CHEM 103

Introductory Chemistry OR CHEM 107 Principles of Chemistry

CHEM 201

Organic Chemistry

#### One course from the following:

CHEM 108 Prin. of Chemistry and Quantitative Analysis  
CHEM 131 Science – Environment and Health  
FDSC 151 Principles of Food Science  
FDSC 161 Intro to Food Science & Technology (Lab)

#### Four Physics and Earth Science Courses from the following list:

PHYS 201

Introductory Physics (REQUIRED)

#### Choose three from list below:

\_\_\_\_\_ EASC 241 Introduction to Meteorology  
\_\_\_\_\_ ASTR 220 The Solar System  
\_\_\_\_\_ GEOL 231 Physical Geology  
\_\_\_\_\_ EASC 118 Oceanography  
\_\_\_\_\_ EASC 131 Conversations with the Earth

#### ONE FREE ELECTIVE:

## COORDINATE MAJOR - EDUCATION COURSES

### EARLY CHILDHOOD EDUCATION (ECC):

<u>EDUC 200</u>	<u>Education in American Society with Field Study I</u>
<u>EDUC 320</u>	<u>Emergent Literacy with Field Study II</u>
<u>EDUC 374</u>	<u>Early Childhood Curriculum: Mathematics and Science with Field Study III</u>
<u>EDUC 376</u>	<u>Early Childhood Curriculum: Reading, Social Studies and Special Needs</u>
<u>EDUC 431</u>	<u>Early Childhood Professional Practicum A (Credit - 2 courses)</u>
<u>EDUC 432</u>	<u>Early Childhood Professional Practicum B (Credit - 2 courses)</u>

Note: EDUC 374 and EDUC 376 must be taken together.

### ELEMENTARY EDUCATION (ELC):

<u>EDUC 200</u>	<u>Education in American Society with Field Study I</u>
<u>EDUC 322</u>	<u>The Child &amp; Literacy, with Field Study II</u>
<u>EDUC 341</u>	<u>Elementary Curriculum: Mathematics with Field Study III</u>
<u>EDUC 346</u>	<u>Elementary Curriculum: Science, Social Studies, and Special Needs</u>
<u>EDUC 437</u>	<u>Elementary Professional Practicum A (Credit - 2 courses)</u>
<u>EDUC 438</u>	<u>Elementary Professional Practicum B (Credit - 2 courses)</u>

Note: EDUC 341 and EDUC 346 must be taken together.