

# College of Education and Human Services (COEHS)

## Bachelor of Science in Education (BSE)

Middle and High School Science

Grades 4 to 12



Name:

Student ID:

Date:

The following **bolded** courses are required for admission to the COEHS:

**Quest 1-** 1st Semester

**COMM 111: Intro to Public Speaking (C or higher)**  
**WRT 188 (or ENG 101/WRT 110) (B or higher)**

**Quest 2-** 2nd Semester

**Mathematics** *per placement, may require developmental math first*  
MATH 104: College Algebra (C or higher) 3 credits  
MATH 106: Trigonometry (C or higher) 2 credits  
**OR** Math 108: Algebra+Trig or Math 171: Calc 1 5 credits

**Quest 3-** 3rd or 4th Semester

### The remaining courses fulfill University Studies Program (USP) requirements

**Culture (XC)**  
Art, Music, Theatre \_\_\_\_\_  
English Literature \_\_\_\_\_  
(XC) course from a department not English, Art, Music, or Theatre: \_\_\_\_\_

### Lab Science (XL) and Environmental Requirement--completed with required courses in the major

**Society (XS)**  
History 101 (GC), 102 (GC), 110, 201, 202, 210, or 215 \_\_\_\_\_  
ED FOUND 235: Child and Adolescent Development  
Elementary Education 110: Education Policy: Truth and Myths  
One additional (XS) Course \_\_\_\_\_

**Global Citizenship (GC)**  
Course \_\_\_\_\_  
May double count with (XC) or (XS) course

**Ethnic Studies (ES)**  
This will be met with Human Relation Hours in other education courses- no other course needed

**Advanced Writing**  
Course \_\_\_\_\_  
WRT 288 (after Quest 3) WRT 287 (45 cr earned; Quest 3 not required) or WRT 310 (Honors)

### SECONDARY EDUCATION CORE COURSE

Special Ed 352 Children with Disabilities in General Education  
(2.75 combined gpa or admitted to COEHS)

# BACHELOR OF SCIENCE IN EDUCATION (BSE)

*Middle and High School Science: Minor in \_\_\_\_\_ Grades 4 to 12*

## BIOLOGY Courses: Minimum of 1; both required for minor

Course Number	Course Name	Prerequisites/Notes	Credits
BIOLOGY 105	Biological Concepts and Unity (XL)		
BIOLOGY 230	Biology of Animals (XL)	Biology 105 with a C or better	4
BIOLOGY 231	Biology of Plants and Microbes (XL)	Biology 105 with a C or better	4

## CHEMISTRY Courses: Both required

Course Number	Course Name	Prerequisites/Notes	Credits
CHEMISTRY 105	General Chemistry I (XL)	CONCURRENT ENROLLMENT IN MATH 104 OR PLACEMENT HIGHER	5
CHEMISTRY 106	General Chemistry II (XL)	C OR BETTER IN CHEM 105	5

## EARTH SCIENCE: CHOOSE 2 COURSES IN ONE DEPARTMENT

Course Number	Course Name	Prerequisites/Notes	Credits
GEOLOGY 150 OR 102 OR 110H	Environmental Geology (XL) OR Earth: Dynamic Planet (XL) OR Honors: Geology (XL)	Students can only receive credit for one of these courses; <b>150 is required in minor</b>	4 5
GEOLOGY 109 OR 112	Evolution of the Earth OR Dinosaurs	Geology 102, 110 or 150; <b>109 part of minor</b>	3
GEOGRAPHY 121	Physical Geography I – Weather and Climate (XL)		4
GEOGRAPHY 221	Physical Geography II – Landforms and Soils (XL)	<i>Not required in Earth Science Minor</i>	4

## PHYSICS COURSES: CHOOSE 1 PAIR; FIRST COURSE IS IN FALL AND SECOND IS IN SPRING

Course Number	Course Name	Prerequisites/Notes	Credits
PHYSICS 171 & 172	College Physics I & II (XL)	Math 106 or 108 or placement beyond	5+5=10
PHYSICS 191 & 192 <i>(Physics Minors)</i>	University Physics I (XL)  University Physics II (XL)	Concurrent Registration in or completion of Math 171  Concurrent Registration in or completion of Math 172	5+5=10

## CHOOSE A MINOR

BIOLOGY 24 CREDITS	CHEMISTRY 22 CREDITS	EARTH SCIENCE 22 CREDITS	PHYSICS 23 CREDITS
BIOLOGY 105 & 230 OR 231 are completed above	CHEMISTRY 105 & 106 are completed above	GEOLOGY 109 & 150 are completed above	PHYS/AST 191& 192 are completed above
BIOLOGY 230 OR 231 (4)	CHEMISTRY 234 & 235 (4)	GEOLOGY 205 & 309 <i>Fall only courses</i>	PHYS/AST 206 Introductory Modern Physics (3)
BIOLOGY 323 (3)	CHEMISTRY 334 & 335 (4)	GEOLOGY 206 & 328 <i>Spring only courses</i>	PHYS/AST 335
BIOLOGY 349 (3)	CHEMISTRY 311 (4)	GEOLOGY 320 or 335 <i>Fall even years; irregularly offered</i>	ELECTIVE 1
ELECTIVE 1 (3)		Physics 103	ELECTIVE 2
ELECTIVE 2 (3)		Geography 121	ELECTIVE 3



