



STUDENT:

STUDENT ID NUMBER:

College of Education

Bachelor of Science • Elementary Education – 4-8 Mathematics & Science

Program Code: UCOEELUMC

Effective Date: August 29, 2011

Version Number: 2118 - Fall 2011

GENERAL EDUCATION

I. UNIVERSITY CORE (12 credits) RC CR GR

A. Oral Communication: COM 010 or above			
Course: COM 010 ♣ (suggested)	3		
B. Written Communication: ENG 023, 024 or 025			
Course: ENG 023, 024 or 025 ♣	3		
C. Mathematics: MAT 017 or above			
Course: MAT 103 ♣ (suggested)	3		
D. Wellness: Any 3-credit HEA course			
Course: HEA 102 (suggested)	3		

II. UNIVERSITY DISTRIBUTION (15 credits) RC CR GR CAC

A. Natural Science: Any lab or non-lab course with prefix AST, BIO, CHM, ENV, GEL, MAR, NSE, or PHY; or certain GEG courses (see note at right)				
COURSE: BIO 010/011 (suggested)	3			
B. Social Science: Any course with prefix ANT, CRJ, ECO, HIS, INT, MCS, POL, PSY, SOC, SSE, or SWK; or certain GEG courses (see note at right)				
COURSE: HIS 025 or HIS 026 (suggested)	3			
C. Humanities: Any course with prefix ENG, HUM, PAG, PHI, WGS, WRI, or Modern Language				
COURSE: ENG LIT ♣ (suggested)	3			
D. Arts: Any course prefix ARC, ARH, ART, CDE, CDH, CFT, DAN, FAR, FAS, MUP, MUS, or THE				
COURSE:	3			
E. Free Elective: Any course carrying university credit				
COURSE: PHI 015 (suggested)	3			

III. COMPETENCIES ACROSS THE CURRICULUM RC CR GR CAC

A. Writing Intensive (WI) (9 credits)				
COURSE:	3			WI
COURSE:	3			WI
COURSE:	3			WI
B. Quantitative Literacy (QL) (3 credits) OR Computer-Intensive (CP) (3 credits)				
COURSE:	3			
C. Visual Literacy (VL) (3 credits) OR Communication-Intensive (CM) (3 credits)				
COURSE:	3			
D. Cultural Diversity (CD) (3 credits)				
COURSE:	3			CD
E. Critical Thinking (CT) (3 credits)				
COURSE:	3			CT

A Competency Across the Curriculum (CAC) course is not a separate course, but rather an overlay that is "double counted" as fulfilling both the CAC requirements and another requirement in either General Education (except for the University Core), the major, or the minor.

- RC = Minimum required number of credits
- CR = Credits earned (fill in number of credits)
- GR = Grade earned (fill in letter grade)
- CAC = Competency Across the Curriculum (fill in designation)

**NOTE:** GEG courses with a lab and 040, 322, and 323 may be used in II.A. and GEG courses 040, 204, 274, 305, 322, 323, 324, 347, 380, and 394 may **NOT** be used in II.B.

IV. COLLEGE DISTRIBUTION (21 credits) RC CR GR CAC

A. Math				
COURSE: MAT 104 ♣ (suggested)	3			
B. Special Education				
COURSE: SPU 201 Cognitive Development ♣	3			
C. Technology				
COURSE: ITC 321 Instructional Technology in Ed. ♣	3			
D. 12 Credits required by major but fulfilling Gen Ed req. (suggested courses below)				
COURSE: ELU 212 Teaching Diverse Learners ♣	3			
COURSE: EDU 101 Teaching Pre-K-8; An Explor. ♣	3			
COURSE: SPU 314 Effective Instructional Strategies ♣	3			
COURSE: SPU 316 Literacy Dev. Core & Intervention ♣	3			

♣ - These courses require a grade of "C" or better.

TEACHER CANDIDACY REQUIREMENTS

Requirements must be met upon reaching 48 credit hours

- Required Basic Skills Assessments
- Required Grade Point Average
- C or better in ENG 023, 024 or 025
- C or better in any ENG literature course
- C or better in two mathematics courses
- Completion of program specific observation hours

## B.S. in Elementary Education – 4-8 Mathematics & Science

Program Code: UCOEELUMC

123 Credits Required

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### V. CERTIFICATION COURSES (48 credits)

RC CR GR CAC

RC CR GR CAC

1. Professional Courses 3 S.H. – Pre Candidacy				
ELU 212 Teaching Diverse Learners at Mid.Level ♣	#			
EDU 101 Teaching Pre-K- 8; An Explor. & Investigation ♣	#			
SPU 201 Cognitive Devel. Of Diverse Learners ♣	#			
SPU 314 Effective Inst. Strategies ♣	#			
ITC 321 Technology in Education. Instruction ♣	#			
HEA 102 Introduction to Health and Wellness	#			
EDU 326 Intro. To Middle level Educ. ♣	3			
2. Professional Courses - Teacher Candidacy Required				
SPU 316 Literacy Dev. Core & Intervention ♣	#			
3. Natural Sciences 18 S.H.				
a. BIO 010/011	#			
b. AST 020/021 or CHM 020/021 OR GEL020/021 or PHY 020/021.	3			
c. Choose <u>two</u> of the following (for 6 S.H.)				
AST 020/021 Introductory Astronomy (lab)	3			
CHM 020/021 Introduction to Chemistry (lab)	3			
GEL 020/021 Introduction to Geology (lab)	3			
PHY 020/021 Introduction to Physics (lab)	3			
CHM 051 Introduction to Forensic Science	3			
BIO/MAR 050/051 Window to the Ocean (lab)	3			
BIO 130 Envir. Issues OR BIO 140 Bio and Society	3			
d. Choose 3 additional courses from science list				
1.	3			
2.	3			
3.	3			
4. Mathematics 15 S.H.				
a. MAT 103 Fundamentals of Math I ♣	#			
b. MAT 104 Fundamentals of Math II ♣	#			
c. MAT 040 Geometry	3			
d. Choose all classes in Group A or all in Group B				
<b>Group A</b>	<b>Group B</b>			
MAT 105( prereq. For 122)	MAT 115	3		
MAT 106	MAT 140	3		
MAT 122	MAT 171 (MAT 181)	3		
MAT 140	MAT 172 (MAT 182)	3		
5. English/Language Arts & Reading 6 S.H.				
a. ENG 010 (or other lit course) ♣	#			
b. ENG 023, 024 or 025 ♣	#			
c. COM 010 Fundamentals of Oral Communication ♣	#			
d. Any course prefix ARC, ARH, ART, CDE, CDH, CFT, DAN, FAR, FAS, MUP, MUS, or THE	#			
e. ELU 342 Teaching Writing at the Mid Level- (Course is taken during Professional Semester.) ♣				
f. ELU 221 Lit. for Upper Elem. & Mid. Level Learners ♣	3			
g. ELU 331Teaching Literacy for Mid. Level Learners ♣	3			
<b>Teacher Candidacy Required</b>				

6. Social Studies Choose 2 of the following 6 S.H. (Only one from each line) (Excluding the 2 taken as required Gen Ed. courses)				
American History – HIS 025 or HIS 026	#			
Sociology/Anthropology/Philosophy- PHI 015	#			
World History – HIS 014 or HIS 015	3			
Political Science – POL 010 or POL 020	3			
Economics – ECO 010, ECO 011 or ECO 012	3			
Geography – GEG 010, GEG 020, or GEG 101	3			

### VI. CLINICAL COMPONENT ( 27 credits)

RC CR GR CAC

A. Professional Semester - Teacher Candidacy Required Courses scheduled in a block Fall or Spring 15 S.H.				
ELU 322 Assessment Meth: Form.,Sum., Diag., Ben ♣	3			
ELU 341 Methods in Soc.Std. & Content Area Rdg ♣	3			
ELU 342 Teaching Writing at the Mid. Level ♣	3			
ELU 346 Middle Level Cognitive Development ♣	3			
ELU 348 Teaching Math & Sci to Mid. Level Learners ♣	3			
B. Clinical Experience Fall or Spring _____ 12 S.H.				
ELU 392 Clinical Experience I with Mid. Lev. Learners ♣	6			
ELU 393 Clinical Experience II with Mid. Lev. Learners ♣	6			

# - Student is receiving credit for course as a General Education requirement.

♣ - These courses require a grade of "C" or better.

### Science List ( V.3.d )

BIO 010/011 Intro to Biology (lecture and lab)  
 BIO/MAR 050/051 Window to the Oceans (lecture and lab)  
 BIO 130 Env. Issues: Global Perspective  
 BIO 140 Biology and Society  
 AST 020/021 Intro Astronomy (lecture & lab)  
 AST 030/031 Mission to the Planet (lecture & lab)  
 GEL 020/021 Intro to Geology (lecture & lab)  
 GEG 204/205 Meteorology (lecture & lab)  
 CHM 020/021 Intro to Chemistry (lecture & lab)  
 CHM 051 Intro to Forensic Science  
 PHY 020 Intro to Physics