



STUDENT:

STUDENT ID NUMBER:

College of Education

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

Program Code: UCOEELUMC
Version Number: 2158 – Fall 2015

Effective Date: August 24, 2015

GENERAL EDUCATION

I. UNIVERSITY CORE (12 credits)	RC	CR	GR	CAC
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: CHM 020 (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, WRJ, or Modern Language				
COURSE: ENG 100 ♣ (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: ECO 010, ECO 011, or ECO 012 (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			

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

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

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

1. Professional Courses 3 S.H. – Pre Candidacy				
ELU 212 Teaching Diverse Learners at Mid.Level ♣	#			CD
EDU 101 Teaching Pre-K- 8; An Explor. & Investigation ♣	#			CT WI
SPU 201 Cognitive Devel. Of Diverse Learners ♣	#			CD
SPU 314 Effective Inst. Strategies ♣	#			
ITC 321 Technology in Education. Instruction ♣	#			CP VL
HEA 102 Introduction to Health and Wellness	#			
Any course prefix ARC, ARH, ART, CDE, CDH, CFT, DAN, FAR, FAS, MUP, MUS, or THE	#			
EDU 326 Intro. To Middle level Educ. ♣	3			
2. Professional Courses - Teacher Candidacy Required				
SPU 316 Literacy Dev. Core & Intervention ♣	#			WI
3. Natural Sciences 18 S.H.				
a. CHM 020 Introduction to Chemistry (lab)	#			
b. BIO 010 or BIO 104	3/4			
c. AST 020 Introductory Astronomy (lab)	3			
d. GEG 204 Meteorology	3			
e. GEL 020 Introduction to Geology (lab)	3			
f. PHY 020 Introduction to Physics (lab)	3			
g. BIO 130 Environmental Issues: Global Perspectives	3			
4. Mathematics 15 S.H.				
a. MAT 103 Fundamentals of Math I ♣	#			
b. MAT 104 Fundamentals of Math II ♣	#			QL
c. MAT 040 Geometry	3			
d. MAT 105 College Algebra (prereq. For 122)	3			
e. MAT 122 Applied Calculus	3			
f. MAT 140 Applied Stat Methods	3			QL
g. Choose ONE of the following courses (for 3 credits)				
MAT 106 Trigonometry	3			
MAT 115 Pre-Calculus	3			
MAT 123 Discrete Math	3			
5. English/Language Arts & Reading 6 S.H.				
a. ENG 100 Literary Analysis ♣	#			WI
b. ENG 023, 024 or 025 ♣	#			
c. COM 010 Fundamentals of Oral Communication ♣	#			
d. ELU 221 Lit. for Upper Elem. & Mid. Level Learners ♣	3			VL
e. ELU 331 Teaching & Assessing Literacy for Middle Level Learners across Academic Disciplines ♣ Teacher Candidacy Required (Pre-req. For Prosem)	3			

RC CR GR CAC

6. Social Studies 6 S.H. (Choose one from each line)				
American History – HIS 025 or HIS 026	#			
Economics – ECO 010, ECO 011 or ECO 012	#			
World History – HIS 014 (CD) or HIS 015	3			
Geography–GEG 010, GEG 020 (CD), 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 342 Teaching Writing at the Middle Level ♣	3			WI
ELU 344 Teach. & Assess. Soc. Studies for Middle Level Learners. ♣	3			
ELU 346 Middle Level Cognitive Development ♣	3			WI
ELU 347 Teach. & Assess. Math for Mid Level Learner♣	3			
ELU 349 Teach. & Assess. Sci. for 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.

Four-Year Program Plan

Program:		BSED ELU/4-8 MAT & SCI			
FIRST YEAR					
<i>Fall Semester</i>			<i>Spring Semester</i>		
<i>Course</i>	<i>Title</i>	<i>Credits</i>	<i>Course</i>	<i>Title</i>	<i>Credits</i>
ENG-23	COLLEGE COMPOSITION I	3	ENG-100WI	LITERARY ANALYSIS	3
MAT-103	FUNDAMENTALS OF MATH I	3	MAT-104QL	FUNDAMENTALS OF MATH II	3
EDU-101CTWI	TEACH PRE K-8 EXPLOR/INVEST	3	ELU-212CD	DIVERSE LEARNER/MID LEVEL	3
PHY-20	INTRO TO PHYSICS	3	BIO-10	INTRO TO BIOLOGY	3
HIS-025	U.S. FORM. YEARS & FED. REPUBLIC	3	GEG 010	GEOGRAPHY	3
	(or HIS-026 HISTORY OF THE US)			(or GEG 020, or GEG 101)	
				(ELU-212 is only offered in Spring semesters)	
Total		15	Total		15
SECOND YEAR					
<i>Fall Semester</i>			<i>Spring Semester</i>		
<i>Course</i>	<i>Title</i>	<i>Credits</i>	<i>Course</i>	<i>Title</i>	<i>Credits</i>
ELU-221VL	LIT/UPPER ELEM+MID LEVEL	3	EDU-326	INTRO TO MIDDLE LEVEL ED	3
SPU-201CD	COGNITIVE DEVEL/STANDARDS	3	SPU-314	STU/DISABL INCL SETTINGS	3
MAT-40	GEOMETRY	3	MAT 106	TRIGONOMETRY	3
MAT-105	COLLEGE ALGEBRA	3		(or MAT 115, or MAT 123)	
BIO-130	ENV ISSUES: GLOBAL PERSPECTIVES	3	COM-010	FUND. OF ORAL COMMUNICATION	3
AST-020	INTRODUCTORY ASTRONOMY	3	CHM-020	INTO TO CHEMISTRY	3
			HEA-102	INTRO TO HEALTH & WELLNESS	3
	(ELU-221 is only offered in Fall semesters)				
Total		18	Total		18
THIRD YEAR					
<i>Fall Semester</i>			<i>Spring Semester</i>		
<i>Course</i>	<i>Title</i>	<i>Credits</i>	<i>Course</i>	<i>Title</i>	<i>Credits</i>
ELU-331	TEACH LIT/MIDDLE LEVEL	3	GEG-204	METEOROLOGY	3
SPU-316	RDNG/LANG ART EXCPTL CHLD	3	ITC-321	INSTRUCTIONAL TECH IN EDUCATION	3
MAT-122	APPLIED CALCULUS	3	MAT-140	APPLIED STATISTICAL METHODS	3
GEL-020	INTRO TO GEOLOGY	3	HIS-014	HISTORY OF CIVILIZATION A	3
ECO-010	ECONOMICS	3		(or HIS-015 HISTORY OF CIVILIZATION B)	
	(or ECO 011, or ECO 012)		THE-015	INTRO TO THE THEATRE	3
				(or any THE, ARC, ARH, ART, CDE, CDH, CFT, DAN, FAR, FAS, MUP, MUS COURSE)	
	(ELU-331 is only offered in Fall semesters)				
Total		15	Total		15
FOURTH YEAR					
<i>Fall Semester</i>			<i>Spring Semester</i>		
<i>Course</i>	<i>Title</i>	<i>Credits</i>	<i>Course</i>	<i>Title</i>	<i>Credits</i>
ELU-342WI	TEACH WRITING/MID LEVEL	3	ELU-392	CLINICAL EXPER I:MID LEV	6
ELU-344	TEACH &ASSESS SOC.ST. FOR MID LVL	3	ELU-393	CLINICAL EXPER II:MID LEV	6
ELU-346WI	MID LEVEL COGNITIVE DEVEL	3			
ELU-347	TEACH & ASSESS MAT. FOR MID LEVEL	3			
ELU-349	TEACH & ASSESS SCI. FOR MID LEVEL	3			
	(Prosem is only offered in Fall semesters)				
Total		15	Total		12