

PROGRAM CODE UCOEELUMC
EFFECTIVE DATE FALL 2020
VERSION NUMBER 2208

COLLEGE OF EDUCATION
ELEMENTARY EDUCATION
BACHELOR OF SCIENCE IN EDUCATION

4-8 MATHEMATICS AND SCIENCE

STUDENT:	STUDENT ID NUMBER:
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CERTIFICATION COURSES

Professional Courses – Pre-Candidacy		
COURSE	CR	GRADE
ELU 212 TEACHING DIVERSE LEARNERS MID LEVEL ♣	3	
EDU 101 TEACHING PRE-K-8; EXPLOR. & INVESTIG. ♣ ♦	3	
ELU 226 TEACH MID LEVEL <u>OR</u> EDU 326 (pre-req for Prosem) ♣	3	
SPU 201 COGNITIVE DEVEL. OF DIVERSE LEARNERS ♣ ♦	3	
SPU 314 EFFECTIVE INSTRUCTIONAL STRATEGIES ♣	3	
SPU 316 LITERACY DEV. CORE & INTERVENTION ♣ ♦	3	
LLT 321 TECHNOLOGY IN EDUCATION INSTRUCTION ♣ ♦	3	
TOTAL CREDITS	21	

English/Language Arts & Reading		
COURSE	CR	GRADE
CMP 100 LEVEL COURSE ♣ ♦	3	
CMP 200 RESEARCH AND COMPOSITION ♦	3	
ENG LITERATURE COURSE ♣	3	
COM 010 FUNDAMENTALS OF ORAL COMMUNICATION ♣ ♦	3	
ELU 221 LIT FOR UPPER ELEM & MIDDLE LEVEL LEARNERS ♣ (pre-requisite for ELU 331)	3	
ELU 331 TEACH & ASSESS LITERACY FOR MID. LVL LEARNERS ♣	3	
TOTAL CREDITS	18	

Natural Sciences		
COURSE	CR	GRADE
CHM 020 INTRODUCTION TO CHEMISTRY (LAB)	3	
BIO 010 (LAB) ♦	3	
PHY 020 INTRODUCTION TO PHYSICS (LAB)	3	
BIO 130 ENVIRONMENTAL ISS. GLOBAL PERSPECTIVE	3	
AST 020 INTRODUCTORY ASTRONOMY (LAB)	3	
GEL 020 INTRODUCTION TO GEOLOGY (LAB)	3	
GEG 204 METEOROLGY	3	
TOTAL CREDITS	21	

Non-Directed General Education Courses		
COURSE	CR	GRADE
FYS 100 OR TRANSFER: Any approved Gen Ed Course	3	
TOTAL CREDITS	3	

♦ THESE COURSES ARE ALSO DIRECTED GENERAL EDUCATION COURSES
♣ THESE COURSES REQUIRE A GRADE OF C OR BETTER

Directed General Education Courses *THESE ARE GEN ED COURSES THAT ARE ALSO PART OF THE 4-8 PROGRAM. IF YOU DO NOT TAKE THESE COURSES TO FULFILL YOUR GENERAL EDUCATION REQUIREMENTS, YOU MAY NEED AS MANY AS 135 CREDITS TO FINISH THIS DEGREE.*

COURSE	✓	CR	GE	COURSE	✓	CR	GE	COURSE	✓	CR	GE
SPU 314 EFFECTIVE INST. STRAT.		3	D	BIO 010		3	C1	CMP 200 RESEARCH AND COMP.		3	A2
SPU 201 COG. DEV. DIV. LEARNERS		3	B	MAT 103 FUND OF MATH I		3	C2	HIS 025 <u>OR</u> HIS 026.		3	B
LLT 321 TECH. IN ED. INSTRUCTION		3	D	MAT 104 FUND OF MATH II		3	C3	HIS 014 <u>OR</u> HIS 015		3	D
COM 010 FUND. OF ORAL COM.		3	A3	CMP 100 LEVEL		3	A1	ECO 010		3	B
SPU 316 LIT DEV. CORE & INTERV.		3	A4								
TOTAL CREDITS										39	


Mathematics		
COURSE	CR	GRADE
MAT 103 FUNDAMENTALS OF MATH I ♣ ♦	3	
MAT 104 FUNDAMENTALS OF MATH II ♣ ♦	3	
MAT 040 GEOMETRY	3	
MAT 105 COLLEGE ALGEBRA	3	
MAT 122 APPLIED CALCULUS	3	
MAT 140 APPLIED STAT METHODS	3	
SELECT ONLY ONE FROM THE CHOICES BELOW: MAT 106 TRIGONOMETRY MAT 115 PRE-CALCULUS MAT 123 DISCRETE MATH	3	
TOTAL CREDITS	21	

Social Sciences		
COURSE	CR	GRADE
AMERICAN HISTORY: HIS 025 <u>OR</u> HIS 026 ♦	3	
WORLD HISTORY: HIS 014 <u>OR</u> HIS 015 ♦	3	
ECONOMICS: ECO 010 ♦	3	
GEOGRAPHY: GEG 010 <u>OR</u> GEG 101	3	
TOTAL CREDITS	12	

Professional Semester – Teacher Candidacy Required <i>Courses Scheduled in a block FALL SEMESTERS only (pre-req. to Clinical Experience)</i>		
COURSE	CR	GRADE
ELU 342 TEACHING WRITING AT THE MID LEVEL ♣	3	
ELU 344 TEACHNG & ASSESS. SOCIAL STUDIES FOR MIDDLE LEVEL LEARNERS ♣	3	
ELU 346 MID LEVEL COGNITIVE DEVELOPMENT ♣	3	
ELU 347 TEACHING & ASSESS. MATH FOR MIDDLE LEVEL LEARNERS ♣	3	
ELU 349 TEACHING & ASSESS. SCIENCE FOR MIDDLE LEVEL LEARNERS ♣	3	
TOTAL CREDITS	15	

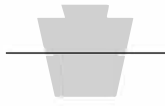
Clinical Experience - FALL OR SPRING		
COURSE	CR	GRADE
ELU 392 CLINICAL EXPERIENCE I WITH MID LEVEL LEARNERS ♣	6	
ELU 393 CLINICAL EXPERIENCE II WITH MID LEVEL LEARNERS ♣	6	
TOTAL CREDITS	12	

GRADUATION REQUIREMENTS CANDIDACY REQUIREMENTS

	REQUIRED	✓	REQUIRED	✓	
	GENERAL EDUCATION CREDITS	42-45		REQUIRED BASIC SKILLS ASSESSMENT'S	
	PROGRAM CREDITS	81		REQUIRED GPA	3.0
	TOTAL CREDITS	123		C OR BETTER IN REQUIRED COURSES ♣ (CMP, ENG LIT, & 2 MAT)	C
				PROGRAM SPECIFIC OBSERVATION HRS	

NAME

EFFECTIVE DATE FALL 2018
GENERAL EDUCATION VERSION 2188



KUTZTOWN UNIVERSITY

DEGREE REQUIREMENTS

GENERAL EDUCATION

Student Learning Outcomes (SLO)

Upon completion of the requirements for the General Education Program, students will be able to:

- communicate clearly and effectively orally and in writing.
- apply scientific and quantitative reasoning to solve problems and increase knowledge.
- apply skills in critical analysis and reasoning for the interpretation of data.
- engage critically with creative or artistic works.
- demonstrate the ability to retrieve, interpret, evaluate, and use information.
- analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
- demonstrate an understanding of various models for the development of the whole person.
- explore concepts, ideas, and methods from a variety of disciplines.

Use this checklist to plan your degree program. Meet every semester with your academic advisor to be sure that you are taking courses that are required to attain the degree you are seeking. Discuss your goals and choose courses that will help you to attain them. Get the most out of your education by taking advantage of everything that Kutztown University has to offer.

TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

First Year Seminar: Discovering College

CREDITS REQUIRED **3**

THESE COURSES MEET SLO 5 & 7

CREDITS EARNED:

COURSE NUMBER	COURSE NAME	GR	CR
FYS 100	First Year Seminar		

TRANSFER STUDENTS TRANSFERRING 15 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT.

TRANSFER ELECTIVE:

A Communicating With And About the World

CREDITS REQUIRED **12**

THESE COURSES MEET SLO 1 & 5

CREDITS EARNED:

COURSE NUMBER	COURSE NAME	GR	CR
1	COMPOSITION 100 LEVEL CMP 1__		
2	COMPOSITION 200 LEVEL CMP 2__		
3	SPEAKING		
4	ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST		

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR. THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR. CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

B Understanding Self & Others

CREDITS REQUIRED **9**

THESE COURSES MEET SLO 3 & 6

CREDITS EARNED:

COURSE NUMBER	COURSE NAME	GR	CR
1			
2			
3			

C Understanding Science & Technology

CREDITS REQUIRED **9-12**

THESE COURSES MEET SLO 2 & 3

CREDITS EARNED:

COURSE NUMBER	COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY		
2	QUANTITATIVE REASONING		
3	ANY COURSE APPROVED FOR C1 OR C2		

D Understanding & Creating Ideas

CREDITS REQUIRED **9**

THESE COURSES MEET SLO 4 & 6

CREDITS EARNED:

COURSE NUMBER	COURSE NAME	GR	CR
1			
2			
3			

Four-Year Program Plan

Program: BSED ELU/4-8 MAT & SCI

Fall 2020 - Updated April 3, 2020

FIRST YEAR

Fall Semester

Course	Title	Credits
CMP-100	EFFECTIVE COMPOSITION	3
MAT-103	FUNDAMENTALS OF MATH I	3
FYS-100	FIRST YEAR SEMINAR	3
BIO-10	INTRO TO BIOLOGY	3
EDU-101CTWI	TEACH PRE-K-8 EXPLOR/INVEST	3
	(EDU-101 is only offered Fall semesters)	
Total		15

Spring Semester

Course	Title	Credits
ENG LIT	ANY ENGLISH LITERATURE COURSE	3
MAT-104QL	FUNDAMENTALS OF MATH II	3
MAT-105	COLLEGE ALGEBRA	3
CHM-20	INTO TO CHEMISTRY	3
HIS-025	U.S. FORM. YEARS & FED. REPUBLIC	3
	(or HIS-026 HISTORY OF THE US)	
	(CHM-20 is only offered Spring semesters)	
Total		15

SECOND YEAR

Fall Semester

Course	Title	Credits
ELU-221VL	LIT/UPPER ELEM+MID LEVEL	3
ELU-226	TEACH MIDDLE LEVEL THEORY&PRACT	3
MAT-40	GEOMETRY	3
GEG-204	METEOROLOGY	3
SPU-201CD	COGNITIVE DEVEL/STANDARDS	3
	(ELU-221 is only offered in Fall semesters)	
	(ELU-226 is only offered in Fall semesters)	
	(GEG-204 is only offered in Fall semesters)	
Total		15

Spring Semester

Course	Title	Credits
BIO-130	ENV ISSUES: GLOBAL PERSPECTIVES	3
SPU-314	STU/DISABL INCL SETTINGS	3
MAT 106	TRIGONOMETRY	3
	(or MAT 115, or MAT 123)	
ELU-212	DIVERSE LEARNER/MID LEVEL	3
GEL-20	INTRO TO GEOLOGY	3
LLT-321	INSTRUCTIONAL TECH IN EDUCATION	3
	(ELU-212 is only offered in Spring semesters)	
Total		18

THIRD YEAR

Fall Semester

Course	Title	Credits
COM 010	FUND. ORAL COMMUNICATION	3
CMP-200	RESEARCH AND COMPOSITION	3
MAT-122	APPLIED CALCULUS	3
ECO-10	INTRODUCTION TO ECONOMICS	3
GEG 10	GEOGRAPHY	3
	(or GEG 101 WORLD REGIONAL GEG.)	
PHY-20	INTRO TO PHYSICS	3
	(PHY-20 is only offered in Fall semesters)	
Total		18

Spring Semester

Course	Title	Credits
AST-20	INTRO TO ASTRONOMY	3
SPU-316	RDNG/LANG ART EXCPTL CHILD	3
MAT-140	APPLIED STATISTICAL METHODS	3
HIS-014	HISTORY OF CIVILIZATION A	3
	(or HIS-015 HISTORY OF CIVILIZATION B)	
ELU-331	TEACH LIT/MIDDLE LEVEL	3
	(ELU 331 is only offered in Spring semesters)	
Total		15

FOURTH YEAR

Fall Semester

Course	Title	Credits
ELU-342WI	TEACH WRITING/MID LEVEL	3
ELU-344	TEACH &ASSESS SOC.ST. FOR MID LVL	3
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
ELU 226 or EDU 326, BIO, Physical Science, 60 credits, and Candidacy are all prerequisites for Prosem		
	(Prosem is only offered in Fall semesters)	
Total		15

Spring Semester

Course	Title	Credits
ELU-392	CLINICAL EXPER I:MID LEV	6
ELU-393	CLINICAL EXPER II:MID LEV	6
Total		12