

NEW

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:

- 1 communicate clearly and effectively orally and in writing.
- 2 apply scientific and quantitative reasoning to solve problems and increase knowledge.
- 3 apply skills in critical analysis and reasoning for the interpretation of data.
- 4 engage critically with creative or artistic works.
- 5 demonstrate the ability to retrieve, interpret, evaluate, and use information.
- 6 analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
- 7 demonstrate an understanding of various models for the development of the whole person.
- 8 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.

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**TOTAL GENERAL EDUCATION CREDITS 42-45**

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT [WWW.KUTZTOWN.EDU](http://WWW.KUTZTOWN.EDU)

### First Year Seminar: Discovering College

THESE COURSES MEET SLO 5 & 7		CREDITS REQUIRED	<b>3</b>	
COURSE NUMBER		COURSE NAME	GR	CR
FYS 100	First Year Seminar			
TRANSFER STUDENTS TRANSFERRING 30 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

THESE COURSES MEET SLO 1 & 5		CREDITS REQUIRED	<b>12</b>	
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

THESE COURSES MEET SLO 3 & 6		CREDITS REQUIRED	<b>9</b>	
COURSE NUMBER		COURSE NAME	GR	CR
1				
2				
3				

### C Understanding Science & Technology

THESE COURSES MEET SLO 2 & 3		CREDITS REQUIRED	<b>9-12</b>	
COURSE NUMBER		COURSE NAME	GR	CR
1	SCIENTIFIC INQUIRY			
2	QUANTITATIVE REASONING			
3	ANY COURSE APPROVED FOR C1 OR C2			

### D Understanding & Creating Ideas

THESE COURSES MEET SLO 4 & 6		CREDITS REQUIRED	<b>9</b>	
COURSE NUMBER		COURSE NAME	GR	CR
1				
2				
3				

NEW

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

Program Code: UCOEELUMC  
Version Number: 2188 – Fall 2018

123 Credits Required

Effective Date: August 27, 2018

CERTIFICATION COURSES	CR	GR	GE
<b>1. Professional Courses 21 S.H.</b>			
ELU 212 Teaching Diverse Learners at Mid.Level ♣	3		
EDU 101 Teaching Pre-K- 8; Explor.& Investigation ♣	3		D*
SPU 201 Cognitive Devel. Of Diverse Learners ♣	3		B*
SPU 314 Effective Inst. Strategies ♣	3		
SPU 316 Literacy Dev. Core & Intervention ♣	3		
LLT 321 Technology in Education. Instruction ♣	3		D*
EDU 326 Intro. To Middle level Educ. ♣ (pre-req for Prosem)	3		
<b>2. Natural Sciences 21 S.H.</b>			
a. CHM 020 Introduction to Chemistry (lab)	3		
b. BIO 010 OR BIO 104	3/4		C.1
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		
<b>3. Mathematics 21 S.H.</b>			
a. MAT 103 Fundamentals of Math I ♣	3		C.2
b. MAT 104 Fundamentals of Math II ♣	3		C.3*
c. MAT 040 Geometry	3		
d. MAT 105 College Algebra	3		
e. MAT 122 Applied Calculus	3		
f. MAT 140 Applied Stat Methods	3		
g. MAT-Select One MAT 106 Trigonometry MAT 115 Pre-Calculus MAT 123 Discrete Math	3		
<b>4. English/Language Arts &amp; Reading 15 S.H.</b>			
a. ENG 023, 024, 025, or CMP 100 level course ♣	3		A.1
b. ENG 100 Principles of Literacy Analysis	3		A.2*
c. COM 010 Fundamentals of Oral Communication ♣	3		A.3
d. ELU 221 Lit. for Upper Elem. & Mid. Level Lrners ♣ (pre-req for ELU 331)	3		
e. ELU 331 Teaching & Assessing Literacy for Middle Level Learners across Academic Disciplines ♣	3		
<b>5. Social Studies 12 S.H.</b>			
a. American History – HIS 025 or HIS 026	3		B
b. World History – HIS 014 or HIS 015	3		D
c. Economics – ECO 010, ECO 011 or ECO 012	3		B
d. Geography – Select One GEG 010 GEG 020 (B) GEG 101 (B)	3		

6. CLINICAL COMPONENT (27 credits)	CR	GR	GE
<b>A. Professional Semester – Teacher Candidacy Required</b>			
Courses scheduled in a block Fall semester 15 S.H.			
ELU 342 Teaching Writing at the Middle Level ♣	3		
ELU 344 Teach. & Assess. Soc. Studies for Middle Level Learners. ♣	3		
ELU 346 Middle Level Cognitive Development ♣	3		
ELU 347 Teach. & Assess. Math for Mid Level Learners ♣	3		
ELU 349 Teach. & Assess. Sci. for Mid. Level Learners ♣	3		
<b>B. Clinical Experience Fall or Spring 12 S.H.</b>			
ELU 392 Clinical Experience I with Mid. Lev. Learners ♣	6		
ELU 393 Clinical Experience II with Mid. Lev. Learners ♣	6		

Non Directed Gen Ed (6 credits)	CR	GR	GE
FYS 101 or Transfer: Any approved GEN ED Course	3		
A.4	3		A.4

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

\* BSE Designated Gen Ed

➤ In addition to all other requirements, students must complete a minimum of 123 credit hours to be eligible for award of a degree.

## Four-Year Program Plan

<b>Program:</b> BSED ELU/4-8 MAT & SCI					
<b>FIRST YEAR</b>					
<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>
CMP-100	EFFECTIVE COMPOSITION	3	ENG-100WI	LITERARY ANALYSIS	3
MAT-103	FUNDAMENTALS OF MATH I	3	MAT-104QL	FUNDAMENTALS OF MATH II	3
FYS-100	FIRST YEAR SEMINAR	3	EDU-101CTWI	TEACH PRE-K-8 EXPLOR/INVEST	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)	
<b>Total</b>		<b>15</b>	<b>Total</b>		<b>15</b>
<b>SECOND YEAR</b>					
<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	BIO-130	ENV ISSUES: GLOBAL PERSPECTIVES	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)	
EDU-326	INTRO TO MIDDLE LEVEL ED	3	ELU-212	DIVERSE LEARNER/MID LEVEL	3
AST-020	INTRODUCTORY ASTRONOMY	3	CHM-020	INTO TO CHEMISTRY	3
	(ELU-221 is only offered in Fall semesters)			(ELU-212 is only offered in Spring semesters)	
<b>Total</b>		<b>18</b>	<b>Total</b>		<b>15</b>
<b>THIRD YEAR</b>					
<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>
COM 010	FUND. ORAL COMMUNICATION	3	GEG-204	METEOROLOGY	3
LLT-321	INSTRUCTIONAL TECH IN EDUCATION	3	SPU-316	RDNG/LANG ART EXCPTL CHILD	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)		ELU-331	TEACH LIT/MIDDLE LEVEL	3
A-4	ANY COURSE MEETING THE A-4 REQ.	3			
				(ELU 331 is only offered in Spring semesters)	
<b>Total</b>		<b>18</b>	<b>Total</b>		<b>15</b>
<b>FOURTH YEAR</b>					
<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			
	EDU 326, BIO, Physical Science, 60 credits, and Candidacy are all prerequisites for Prosem				
	(Prosem is only offered in Fall semesters)				
<b>Total</b>		<b>15</b>	<b>Total</b>		<b>12</b>