

PROGRAM CODE: UCOESEUSES	COLLEGE OF EDUCATION SECONDARY EDUCATION	
EFFECTIVE DATE: FALL 2020	BACHELOR OF SCIENCE IN EDUCATION	
VERSION NUMBER: 2208	EARTH & SPACE SCIENCE (7-12) W/ SPECIAL EDUCATION (PREK-12)	
STUDENT NAME:	STUDENT ID NUMBER:	

PROFESSIONAL COURSES PRE-CANDIDACY		
COURSE	CR	GR
CMP 100 LEVEL COURSE ♣ ♦	3	
ENG LITERATURE ♣ ♦	3	
EDU 100 PERSPECTIVES ON AMERICAN EDUCATION ♦	3	
SPU 101 EARLY INTERVEN. FOR STUDENTS W/ DISABILITIES	3	
SPU 201 COGNITIVE DEV. OF DIVERSE LEARNERS ♦	3	
SPU 314 EFFECTIVE INSTRUCTIONAL STRATEGIES ♦	3	
TOTAL CREDITS	12	

PROFESSIONAL COURSES TEACHER CANDIDACY REQUIRED*		
COURSE	CR	GR
SEU 312 PRINCIPLES OF LEARNING #	3	
SEU 313 PRINCIPLES OF LEARNING LAB #	3	
SEU 342 PRINCIPLES OF TEACHING #	3	
SEU 343 PRINCIPLES OF TEACHING LAB #	3	
SEU 410 SCIENCE METHODS FOR MIDDLE & HIGH SCHOOL #	3	
TOTAL CREDITS	15	

SPECIAL EDUCATION COURSES		
COURSE	CR	GR
SPU 313 MAKING CONTENT AREA INSTRUCTION ACCESSIBLE	3	
SPU 316 LIT. DEV. & INSTRUCTION IN CORE & INTERVEN. AREAS ♦	3	
SPU 317 INTENSIVE READ., WRIT., & MATH APPROACHES	3	
SPU 320 SPECIAL EDUCATION PROCESSES & IEP DEVELOPMENT	3	
SPU 322 TEACHING STUDENTS W/ HIGH INCIDENT DISABILITIES	3	
SPU 327 TRANSITION, SELF-DETERMINATION & SELF-ADVOCACY	3	
SPU 328 POSITIVE BEHAVIORAL INTERVENTION & SUPPORTS	3	
SPU 330 TEACHING STUDENTS W/ LOW INCIDENT DISABILITIES	3	
TOTAL CREDITS	24	

CLINICAL EXPERIENCE COURSES		
COURSE	CR	GR
SEU 390 CLINICAL EXPERIENCE I	6	
SEU 391 CLINICAL EXPERIENCE II	6	
TOTAL CREDITS	12	

REQUIRED SCIENCE COURSES		
COURSE	CR	GR
AST 140 PLANETARY SCIENCE	3	
AST 142 STELLAR AND GALACTIC ASTRONOMY	3	
BIO 104 PRINCIPLES OF BIOLOGY ♦	4	
CHM 100 GENERAL CHEMISTRY I ♦	4	
CHM 102 GENERAL CHEMISTRY II ♦	4	
ENV 100 INTRO TO ENVIRONMENTAL SCIENCE	3	
ENV 210 ENVIRONMENTAL GEOLOGY	3	
GEG 204 METEOROLOGY	3	
GEL 100 PHYSICAL GEOLOGY ♦	4	
GEL 102 ELEMENTS OF HISTORICAL GEOGRAPHY	4	
GEL 110 INTRODUCTION TO OCEANOGRAPHY ♦	3	
CHOOSE ONE OF THE FOLLOWING:		
PHY 040 GENERAL PHYSICS I ♦	4	
PHY 100 PHYSICS I ♦		
CHOOSE ONE OF THE FOLLOWING:		
PHY 042 GENERAL PHYSICS II	4	
PHY 102 PHYSICS II		
TOTAL CREDITS	46	

ELECTIVE SCIENCE COURSES		
<i>AST/GEL/MAR/ENV WITH LAB BEYOND 100 LEVEL.</i>		
COURSE	CR	GR
	3/4	
	3/4	
TOTAL CREDITS	6-8	

REQUIRED MATHEMATICS COURSES		
COURSE	CR	GR
CHOOSE ONE OF THE FOLLOWING:		
MAT 106 TRIGONOMETRY	3/4	
MAT 115 PRECALCULUS MATHEMATICS		
MAT 181 CALCULUS I ♦		
MAT 140 APPLIED STATISTICAL MATHEMATICS ♦	3	
TOTAL CREDITS	6/7	

- ♣ REQUIRE A GRADE OF C OR BETTER
- # REQUIRE A GRADE OF B OR BETTER
- ♦ THESE COURSES ALSO FULFILL GEN ED REQUIREMENTS

DIRECTED GENERAL EDUCATION REQUIREMENTS								
<i>THESE ARE GEN ED COURSES THAT ARE ALSO REQUIRED BY THE SEC ED PROGRAM.</i>								
COURSE	CR	GE	COURSE	CR	GE	COURSE	CR	GE
CMP 100 LEVEL	3	A1	SPU 314	3	B	CHM 100	4	C3
EDU 100	3	B	BIO 104	4	C1	ENG LIT	3	D
SPU 201	3	B	MAT 181	4	C2	SPU 316	3	A4
TOTAL CREDITS							27	

*TEACHER CANDIDACY REQUIREMENTS	✓
PASSING BASIC SKILLS TEST SCORES	
3.0 MINIMUM GPA	
C OR BETTER IN REQUIRED COURSES ♣	
PRE-CANDIDACY FIELD EXPERIENCE HOURS	



GRADUATION REQUIREMENTS	✓
42-45 GENERAL EDUCATION CREDITS	
98 PROGRAM CREDITS	
142 MINIMUM TOTAL CREDITS	

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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.

Completion of the KU General Education program will give students opportunities to:

- 8 explore concepts, ideas, and methods from a variety of disciplines.

Use this checksheet to plan your degree program. Meet every semester with your academic advisor to be sure that you are taking courses that are required to obtain 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
THIS COURSE MEETS SLO 5 & 7	CREDITS EARNED:	

COURSE NUMBER	COURSE NAME	CR	GR
FYS 100	First Year Seminar		
TRANSFER STUDENTS TRANSFERRING 15 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY ADDITIONAL COURSE FROM SECTIONS A, B, C, OR D 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	CR	GR
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	CR	GR
1			
2			
3			

C	Understanding Science & Technology	CREDITS REQUIRED	9-12
THESE COURSES MEET SLO 2 & 3		CREDITS EARNED:	

COURSE NUMBER	COURSE NAME	CR	GR
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	CR	GR
1			
2			
3			

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**BSED SECONDARY EDUCATION: EARTH AND SPACE SCIENCE
 8-SEMESTER PLAN**

1st YEAR

FALL		
COURSE	TITLE	CR
CMP 1__	CMP 100 LEVEL COURSE	3
EDU 100	PERSPECTIVES ON AMERICAN EDU.	3
FYS 100	FIRST YEAR SEMINAR	3
MAT ____	MATH REQUIREMENT	3/4
CONTENT	REQUIRED SCIENCE COURSE	3/4
TOTAL		15-17

SPRING		
COURSE	TITLE	CR
CMP 2__	CMP 200 LEVEL COURSE	3
A3 GEN ED	ORAL COMMUNICATION COURSE	3
MAT ____	MATH REQUIREMENT	3/4
SPU 201	COG. DEV. OF DIVERSE LEARNERS	3
SPU ____	REQUIRED SPECIAL ED. COURSE	3
CONTENT	REQUIRED SCIENCE COURSE	3/4
TOTAL		18-

2nd YEAR

FALL		
COURSE	TITLE	CR
ENG ____	ENGLISH LITERATURE COURSE	3
SPU 314	EFFECTIVE INSTR. STRATEGIES	3
SPU ____	REQUIRED SPECIAL ED. COURSE	3
CONTENT	REQUIRED SCIENCE COURSE	3/4
CONTENT	REQUIRED SCIENCE COURSE	3/4
CONTENT	REQUIRED SCIENCE COURSE	3/4
TOTAL		18-21

SPRING		
COURSE	TITLE	CR
SPU ____	REQUIRED SPECIAL ED. COURSE	3
GEN ED	GENERAL EDUCATION COURSE	3
GEN ED	GENERAL EDUCATION COURSE	3
CONTENT	REQUIRED SCIENCE COURSE	3/4
CONTENT	REQUIRED SCIENCE COURSE	3/4
CONTENT	REQUIRED SCIENCE COURSE	3/4
TOTAL		18-21

3rd YEAR

FALL		
COURSE	TITLE	CR
SEU 312	PRINCIPLES OF LEARNING	3
SEU 313	PRINCIPLES OF LEARNING LAB	3
SPU ____	REQUIRED SPECIAL ED. COURSE	3
CONTENT	REQUIRED SCIENCE COURSE	3/4
CONTENT	REQUIRED SCIENCE COURSE	3/4
CONTENT	REQUIRED SCIENCE COURSE	3/4
TOTAL		18-21

SPRING		
COURSE	TITLE	CR
SEU 342	PRINCIPLES OF TEACHING	3
SEU 343	PRINCIPLES OF TEACHING LAB	3
SPU 317	INTENSIVE READ, WRIT, AND MATH	3
SPU 320	SPECIAL ED. PROCESSES & IEP DEV.	3
SPU 322	TEACHING STUDENTS HIGH INCIDENT	3
CONTENT	REQUIRED SCIENCE COURSE	3/4
TOTAL		18/19

4th YEAR

FALL		
COURSE	TITLE	CR
SEU 410	SCIENCE METHODS	3
SPU ____	REQUIRED SPECIAL ED. COURSE	3
SPU ____	REQUIRED SPECIAL ED. COURSE	3
CONTENT	REQUIRED SCIENCE COURSE	3/4
CONTENT	REQUIRED SCIENCE COURSE	3/4
CONTENT	REQUIRED SCIENCE COURSE	3/4
TOTAL		18-21

SPRING		
COURSE	TITLE	CR
SEU 390	CLINICAL EXPERIENCE I	6
SPU 393	CLINICAL EXPERIENCE II	6
TOTAL		12