PROGRAM CODE UCOEELUMC

FALL 2023

VERSION NUMBER 2238

COLLEGE OF EDUCATION

ELEMENTARY EDUCATION

BACHELOR OF SCIENCE IN EDUCATION

4-8 MATHEMATICS AND SCIENCE

STUDENT:

STUDENT ID NUMBER:

CERTIFICATION COURSES

| Professional Courses – Pre-Candidacy | | |
|--|----|-------|
| COURSE | CR | GRADE |
| ELU 212 TEACHING DIVERSE LEARNERS MID LEVEL ♣ | 3 | |
| ELU 312 CULTURALLY RESPONSIVE TEACH IN ELL ◆ ◆ | 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 | | |
| Natural Sciences | | | |
| COURSE | CR | GRADE | |

| 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

| 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 OR HIS 015 ◆ | 3 | |
| ECONOMICS: ECO 100 ◆ | 3 | |
| GEOGRAPHY: GEG 010 <u>OR</u> GEG 101 | 3 | |
| | | |

| Professional Somester – Teacher Candidacy Required Courses Scheduled in a block FALL SEMESTERS only (pre-req. to Clinical Experience) | | | |
|---|----|-------|--|
| 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 V GENERAL EDUCATION CREDITS 42-45 REQUIRED BASIC SKILLS ASSESSMENTS PROGRAM CREDITS REQUIRED GPA 3.0 81 TOTAL CREDITS 123 C OR BETTER IN REQUIRED COURSES & С (CMP, ENG LIT, & 2 MAT) PROGRAM SPECIFIC OBSERVATION HRS

NAME

EFFECTIVE DATE AUGUST 27, 2018

ID NUMBER

VERSION 2188

DEGREE REQUIREMENTS

GENERAL EDUCATION

UNIVERSITY

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

| rirət igai əgilililər: | | CREDITS REQUIRED | | | |
|--|--|------------------|-----|----|--|
| | Discovering College CREDITS THIS COURSE MEETS SLO 5 & 7 EARNED: | | | | |
| COURSE N | UMBER 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 | TRANSFER ELECTIVE: | | | | |
| Communicating With And About the World | | | 12 | | |
| | Allu Abbut tile vvortu | | | | |
| | THESE COURSES MEET SLO 1 & 5 | EARN | ED: | | |

GR

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.

COURSE NAME

ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST

COURSE NUMBER

CMP 1

CMP 2

SPEAKING

3

| D | Understanding Self & Others | | CREDITS REQUIRED | | |
|-------|--------------------------------|------|---------------------|----|--|
| | THESE COURSES MEET SLO 3 & 6 | | REDITS RNED: | | |
| COURS | SE NUMBER COURSE NAME | CR | | GR | |
| 1 | | | | | |
| 2 | | | | | |
| 3 | | | | | |
| | Understanding | CRED | OTTS O | 40 | |

| | | Science & Technology | REQU | IRED Y | - IZ | |
|---|--------------------|------------------------------|------|--------------------|-------------|--|
| | | THESE COURSES MEET SLO 2 & 3 | | CREDITS EARNED: | | |
| | COURS | E NUMBER COURSE NAME | CR G | | GR | |
| 1 | SCIENTIFIC INQUIRY | | | | | |
| 2 | QUANTII | ATIVE REASONING | | | | |
| 3 | ANY CO | URSE APPROVED FOR C1 OR C2 | | | | |

| | Understanding & Creating Ideas | CRED REQU | | 9 |
|--------|-----------------------------------|--------------|------|----|
| | Greating lucas | CRED | OITS | |
| | THESE COURSES MEET SLO 4 & 6 | EARN | ED: | |
| COURSI | E NUMBER COURSE NAME | | CR | GR |
| | | | | |

| 1 | |
|---|--|
| 2 | |
| 3 | |

Four-Year Program Plan

Program:

BSED ELU/4-8 MAT & SCI

Fall 2023

FIRST YEAR

| Fal | I San | nester |
|-----|-------|--------|
| | | |

| 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 |
| HIS-014 | HISTORY OF CIVILIZATION A | 3 |
| | (or HIS-015 HISTORY OF CIVILIZATION B) | |
| | | |
| | | |
| | | |
| 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

| 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 |
| ELU 312 | CULTURALLY RESPONSIVE TEACH ELL | 3 |
| 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 | | ndidacy |
| • | (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 |