

NAME	EFFECTIVE DATE AUGUST 27, 2018
ID NUMBER	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.

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			

PROGRAM CODE ULASBIOOE	COLLEGE OF LIBERAL ARTS AND SCIENCES
EFFECTIVE DATE SPRING 2020	
VERSION NUMBER 2202	
BIOLOGY	
<i>BACHELOR OF SCIENCE</i>	
ORGANISMAL / ECOLOGY	
STUDENT:	STUDENT ID NUMBER:

MAJOR PROGRAM- at least 4 courses must be 300 or 400 level

Required Biology		
COURSE	CR	GRADE
BIO 104 PRINCIPLES OF BIOLOGY (must earn a C or better)	4	
BIO 106 INTRODUCTION TO ZOOLOGY	4	
BIO 108 INTRODUCTION TO BOTANY	4	
BIO 216 GENETICS	3	
BIO 224 APPLIED ENVIRONMENTAL MICROBIOLOGY	3	
BIO 270 RESEARCH METHODS	3	
BIO 380 SENIOR SEMINAR	2	
TOTAL CREDITS	23	

ORGANISMAL/ECOLOGY TRACK		
COURSE	CR	GRADE
BIO 244 ECOLOGY	4	
BIO 122 ANATOMY & PHYSIOLOGY II OR	3/4	
BIO 232 PLANT PHYSIOLOGY OR		
BIO 235 GENERAL PHYSIOLOGY (4 cr.) OR		
BIO 320 PHYSIOLOGICAL ECOLOGY OF ANIMALS		
BIO 218 VERTEBRATE BIOLOGY OR	3	
BIO 302 ENTOMOLOGY OR BIO 308 ORNITHOLOGY OR		
BIO 316 INVERTEBRATE BIOLOGY OR		
BIO 342 HERPETOLOGY		
BIO 230 TAXONOMY VASCULAR PLANTS OR		
BIO 232 PLANT PHYSIOLOGY OR	3	
BIO 236 PLANT PATHOLOGY OR BIO 324 PLANT ECOLOGY		
TOTAL CREDITS	13/14	

Program Electives		
COURSE (one = behavior, conservation, ecology, or env. bio.)	CR	GRADE
SELECT THREE COURSES:	9/10	
BIO 218 VERTEBRATE BIOLOGY		
BIO 222 ENVIRONMENTAL BIOL. / BIO 226 MARINE BIOLOGY		
BIO 230 TAXONOMY VASCULAR PLANTS		
BIO 232 PLANT PHYSIOLOGY / BIO 236 PLANT PATHOLOGY		
BIO 235 GEN. PHYSIOLOGY (4 cr.) / BIO 302 ENTOMOLOGY		
BIO 308 ORNITHOLOGY / BIO 314 ANIMAL BEHAVIOR		
BIO 316 INVERT BIOLOGY		
BIO 320 PHYSIOLOGICAL ECOLOGY ANIMALS		
BIO 322 POPULATION AND COMMUNITY ECOLOGY		
BIO 324 PLANT ECOLOGY / BIO 326 MARINE ECOLOGY		
BIO 332 AQUATIC ECOLOGY		
BIO 334 MEDICAL PARASITOLOGY / BIO 342 HERPETOLOGY		
BIO 358 CONSERVATION BIOLOGY		
BIO 370 RESEARCH (3 cr.) OR BIO 390 INTERNSHIP (3 cr.)		
BIO, MAR, OR ENV 200-400 LEVEL ELECTIVE (one course)	3	
TOTAL CREDITS	12/13	

CONCOMITANT COURSES

Required Chemistry		
COURSE	CR	GRADE
CHM 100 GENERAL CHEMISTRY I	♦	
CHM 102 GENERAL CHEMISTRY II	4	
CHM 214 ORGANIC CHEMISTRY I	4	
CHM 216 ORGANIC CHEMISTRY II	4	
TOTAL CREDITS	12	

Required Physics		
COURSE	CR	GRADE
PHY 40 GENERAL PHYSICS I OR PHY 100 PHYSICS I	♦	
TOTAL CREDITS	0	

Mathematics		
COURSE	CR	GRADE
SELECT ONE COURSE:	♦	
MAT 106 TRIGONOMETRY		
MAT 115 PRECALCULUS		
MAT 181 CALCULUS I (4 cr.)		
TOTAL CREDITS	0	

Elective Courses ELECTIVE COURSES MAY BE SELECTED FROM ANY DEPARTMENT OR PROGRAM (INCLUDING BIO)		
COURSE	CR	GRADE
TOTAL CREDITS	13/16	

UP TO THREE (3) CONCOMITANT COURSES MARKED WITH ♦ CAN BE COUNTED TO FULFILL GEN ED GOAL: UNDERSTANDING SCIENCE AND TECHNOLOGY
NO SINGLE COURSE CAN COUNT TOWARD MORE THAN ONE CATEGORY

GRADUATION REQUIREMENTS

KUTZTOWN UNIVERSITY	REQUIRED	✓	REQUIRED	✓	
	GENERAL EDUCATION CREDITS	44		COMPREHENSIVE EXAM	PASS
	PROGRAM CREDITS (MINIMUM)	60		MINIMUM QPA OVERALL	2.0
	ELECTIVE COURSES	16		MINIMUM QPA IN MAJOR	2.0
	TOTAL CREDITS (120 MIN NEEDED TO GRADUATE)	120		MAJOR PROGRAM COURSES 300 OR 400 LEVEL	4

B.S. Biology/Organismal/Ecology

4-Year Schedule (2-2020)

Program Code: ULASBIOOE

Version: 2202

BS Biology/Organismal/Ecology First Semester Suggested Advising for Connections
BIO 104 – Principles of Biology
CHM 100 – General Chemistry I (C2)
First Year Seminar (FYS)
MAT 105, 106, 115, or 181 ^{1,2} depending on ALEKS placement score (C3)

Freshman Year

Fall Semester	Cr	Spring Semester	Cr
BIO 104 – Principles of Biology	4	BIO 106 – Intro to Zoology	4
CHM 100 – General Chemistry I (C2)	4	CHM 102 – General Chemistry II	4
First Year Seminar (FYS)	3	Gen Ed Course – (B1)	3
*Required Math ^{1,2} (C3)	3	Gen Ed Course – CMP 100 (A1)	3
Total	14	Total	14

*Students may be at a different level of math depending on ALEKS placement score.

Sophomore Year

Fall Semester	Cr	Spring Semester	Cr
BIO 108 - Intro to Botany	4	BIO 270 – Research Methods	3
CHM 214 Organic Chem I	4	CHM 216 – Organic Chem II	4
BIO 224 – Applied Env. Microbiology	3	BIO Plant or Animal Course or BIO Elective ³	3
Gen Ed Course – COM 10 (A3)	3	Gen Ed Course (B2)	3
Elective Course ^{1,2}	3	Elective Course (MAT 140 recommended) ^{1,2}	3
Total	17	Total	16

Junior Year

Fall Semester	Cr	Spring Semester	Cr
PHY 40 or 100 (C1)	4	Elective Course (PHY 42 or 102 recommended) ²	3/4
BIO 244 - Ecology	4	BIO216 - Genetics	3
BIO Plant or Animal Course or BIO Elective ³	3	BIO Physiology Course or BIO Elective ²	3
Gen Ed Course – CMP 2XX (A2)	3	Gen Ed Course (A4)	3
Gen Ed Course (C1)	3	Gen Ed Course (D1)	3
Total	17	Total	15/16

Senior Year

Fall Semester	Cr	Spring Semester	Cr
BIO Plant or Animal Course or BIO Elective ³	3	BIO 380-Senior Seminar in Biology	2
BIO Plant or Animal Course or BIO Elective ³	3	BIO Plant or Animal Course or BIO Elective ³	3
BIO Elective ³	3	BIO Plant or Animal Course or BIO Elective ³	3
Gen Ed Course (B3)	3	Elective Course ^{1,2}	3
Gen Ed Course (D2)	3	Gen Ed Course (D3)	3
Total	15	Total	14

¹ See required courses on track sheet. Note: **MAT 105 or Math placement score greater than 60** is a prerequisite for **MAT 106, MAT 140, and MAT 150.**

² Elective Courses should be chosen in consultation with the student's academic advisor.

³ See Biology electives on track sheet.

Students must complete all credits required in the major along with a total of 120 credits are needed to graduate.

Note: No single course can count toward more than one category. At least four BIO courses must be at 300-400 level.

12/2019