

PROGRAM CODE
ULASENVGE
EFFECTIVE DATE
8/27/2018
VERSION NUMBER
2188

ENVIRONMENTAL SCIENCE

BACHELOR OF SCIENCE

GEOGRAPHY TRACK

STUDENT NAME:

: ID NUMBER

MAJOR PROGRAM

Environmental Science Core		
REQUIRED COURSES	CR	GRADE
ENV 100: INTRODUCTION to ENVIRONMENTAL SCIENCE	3	
ENV 210: ENVIRONMENTAL GEOLOGY	3	
ENV 220: ENVIRONMENTAL ANALYSIS	3	
ENV 222: ENVIRONMENTAL BIOLOGY	3	
ENV 380: SENIOR SEMINAR	2	
TOTAL CREDITS	14	

Geography Track		
REQUIRED COURSES	CR	GRADE
GEG 010: ELEMENTS of PHYSICAL GEOGRAPHY	3	
GEG 274: INTRODUCTION to GIS & LAB	3	
GEG 375: RESEARCH METHODS in GEOGRAPHY ¹	3	
GEG 394: INTERNSHIP in GEOGRAPHY	2/3	
CHOOSE SIX COURSES		
GEG 040: DESCRIPTIVE OCEANOGRAPHY	3	
GEG 204: METEOROLOGY & LAB	3	
GEG 210: ENVIRONMENTAL CONSERVATION	3	
GEG 212: GEOGRAPHY of NATURAL HAZARDS	3	
GEG 304: WEATHER ANALYSIS & LAB	3	
GEG 322: CLIMATOLOGY	3	
GEG 323: GLOBAL WARMING & SCI. of CLIMATE CHANGE	3	
GEG 330: CARTOGRAPHY	3	
GEG 333: ADVANCED GIS	3	
GEG 341: ENVIRONMENTAL PLANNING	3	
GEG 343: LAND USE PLANNING	3	
GEG 347: REMOTE SENSING of the ENVIRONMENT & LAB	3	
GEG 372: SELECTED TOPICS in GEOGRAPHY	3	
ENV 37X: RESEARCH in ENVIRONMENTAL SCIENCE	3	
TOTAL CREDITS	29-30	

FREE ELECTIVES³

COURSE	CR	GRADE
TOTAL CREDITS	4-6	

CONCOMITANT COURSES


COURSE	CR	GRADE
Biology		
BIO 104: PRINCIPLES of BIOLOGY (4 cr) (GE C1)	▲	
BIO 106: INTRODUCTION to ZOOLOGY <i>or</i> BIO 108: INTRODUCTION to BOTANY	4	
Chemistry		
CHM 100: GENERAL CHEMISTRY I	4	
CHM 102: GENERAL CHEMISTRY II	4	
CHM 204: FUNDAMENTALS of ORGANIC CHEMISTRY <i>or</i> CHM 214: ORGANIC CHEMISTRY I	4	
Geology		
GEL 100: PHYSICAL GEOLOGY (4 cr) (GE C2)	▲	
Mathematics		
MAT 106: TRIGONOMETRY (3 cr) <i>or</i> MAT 115: PRECALCULUS (3 cr) <i>or</i> MAT 181: CALCULUS I (4 cr)	3/4	
MAT 140: APPLIED STATISTICS <i>or</i> MAT 150: INTRO to BIOSTATISTICS <i>or</i> (3 cr) (GE C3) PSY 200: STATS for SOCIAL & BEHAV. SCI. ²	▲	
Physics		
PHY 040: GENERAL PHYSICS I	4	
PHY 042: GENERAL PHYSICS II	4	
TOTAL CREDITS	27-28	

NOTES:

1. A STATISTICS COURSE IS PREREQUISITE TO GEG 375 RESEARCH METHODS. ALSO, STUDENTS MUST REGISTER IN THE GEOGRAPHY DEPARTMENT OFFICE SINCE A GEOGRAPHY CREDIT OVERRIDE IS REQUIRED.
 2. PSY/POL/SOC 200 STATISTICS FOR THE SOCIAL AND BEHAVIORAL SCIENCES REQUIRES PSY 11 AND MAT 17 OR HIGHER (EXCLUDING 040 AND 045) AS PREREQUISITES. THESE PREREQUISITES MUST BE TAKEN IN GENERAL EDUCATION OR AS ELECTIVES.
 3. THE NUMBER OF NEEDED FREE ELECTIVES CREDITS SHOULD BE DETERMINED IN CONSULTATION WITH A FACULTY ADVISOR.
- ▲ INDICATES COURSE REQUIRED FOR THE MAJOR BUT USED TO SATISFY REQUIREMENTS OF GENERAL EDUCATION SECTION C. THESE UNITS ARE ONLY COUNTED UNDER GENERAL EDUCATION.

Check Sheet Last Revised: 1/16/2019

GRADUATION REQUIREMENTS

	REQUIRED	✓	REQUIRED	✓	
	GENERAL EDUCATION CREDITS	42-45		COMPREHENSIVE EXAM	PASS
	PROGRAM CREDITS (MINIMUM)	70		MINIMUM QPA OVERALL	2.0
	FREE ELECTIVES	4-6		MINIMUM QPA IN MAJOR	2.0
	TOTAL CREDITS	120			

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.

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 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	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

ULASENVGE: BS Environmental Science - Geography Track						Version 2188	Fall 2018
FIRST YEAR							
<i>Fall Semester</i> [■]				<i>Spring Semester</i>			
Course	Title	Credits	Course	Title	Credits		
BIO 104	▲Principles of Biology GE C1	4	BIO 106	Zoology (or 108 Botany in Fall)	4		
CMP 1xx	Composition 1/2	3	CHM 100	General Chemistry	4		
ENV100	Introduction to Environmental Science	3	GEG	Track Course 1/6	3		
FYS	First Year Seminar	3	MAT	106, 115, or 181 (4 credits)	3/4		
GEG 010	Elements of Physical Geography	3					
Total		16	Total		14/15		
SECOND YEAR							
<i>Fall Semester</i>				<i>Spring Semester</i>			
Course	Title	Credits	Course	Title	Credits		
CHM 102	General Chemistry II	4	ENV 220	Environmental Analysis	3		
GEG 274	Intro. to Geographic Info. Systems	3	ENV 222	Environmental Biology	3		
GEG	Track Course 2/6	3	GEG	Track Course 3/6	3		
GEL 100	▲Physical Geology GE C2	4		Speaking Course GE A3	3		
				Understanding Ideas GE D 1/3	3		
Total		14	Total		15		
THIRD YEAR							
<i>Fall Semester</i>				<i>Spring Semester</i>			
Course	Title	Credits	Course	Title	Credits		
CHM	204 or 214 Organic Chemistry	4	ENV 210	Environmental Geology	3		
CMP 2xx	Composition 2/2	3	GEG	Track Course 5/6	3		
GEG	Track Course 4/6	3	MAT 140/PSY 200	▲Statistics* GE C3	3		
PSY 011	Introductory Psychology GE B 1/3	3		CMP or Speaking course GE A4	3		
	Free Elective 1/2	2/3		Free Elective 2/2	2/3		
Total		15/16	Total		14/15		
FOURTH YEAR							
<i>Fall Semester</i>				<i>Spring Semester</i>			
Course	Title	Credits	Course	Title	Credits		
GEG	Track Course 6/6	3	ENV 380	Senior Seminar	2		
GEG 375	*Research Methods in Geography	3	GEG 394	Internship in Geography	2/3		
PHY 040	General Physics I	4	PHY 042	General Physics II	4		
	Understanding Self GE B 2/3	3		Understanding Self GE B 3/3	3		
	Understanding Ideas GE D 2/3	3		Understanding Ideas GE D 3/3	3		
Total		16	Total		14/15		
General Education Effective Fall 2018 (2188)		Credits	Note:		▲ Indicates a Directed Course in General Education. Such courses are required for the major, but are used to satisfy requirements of General Education. The units for these courses count only under General Education. Statistics Requirement: *Statistics is a prerequisite to GEG 375. Take as: MAT 140 or 150, or POL/PSY/SOC 200. MAT 105 is a prerequisite for MAT 140 or MAT 150. PSY 011 and MAT 017 or higher (excluding 040 and 045) are prerequisites for PSY 200. If opting for MAT 140 or 150, PSY 011 may be replaced by another GE B Understanding Self and Others course.		
FYS	First Year Seminar	3					
A	Communicating With and About the World						
1	CMP 1xx	3					
2	CMP 2xx	3					
3	Speaking	3					
4	Additional A2 or A3 or approved course	3					
B	Understanding Self and Others						
1		3					
2		3					
3		3					
C	Understanding Science and Technology						
1	▲Scientific Inquiry: BIO 104	4					
2	▲Quantitative Reasoning: GEL 100	4					
3	▲Statistics*	3					
D	Understanding and Creating Ideas		■1st SEMESTER CONNECTIONS ADVISING				
1		3	If ENV 100 is full, enroll in CHM 100.				
2		3	If BIO 104 is full, enroll in GEL 100.				
3		3	If CMP 1xx is full, check for MAT courses.				
			Take MAT 106 if ALEKS is 61 or higher.				
			If ALEKS > 46 but < 61, take MAT 105				
Total General Education Credits		44					