

BACHELOR OF SCIENCE ENVIRONMENTAL HEALTH SCIENCE AND PROTECTION

2011-2012

Student's Name _____

Entrance Date _____

CORE REQUIREMENTS 42

___	CHEM	101	General Chemistry I	3
___	CHEM	102	General Chemistry II	3
___	ENGL	150	English Composition I	3
___	ENGL	151	English Composition II	3
___	ENGL	218	Technical Writing	3
___	ENGL	250	World Literature I	OR
___	ENGL	251	World Literature II	3
___	COPA	250	Arts & Human Experience I	3
___	COPA	251	Arts & Human Experience II	OR
___	CINE	302	Cinema	3
___	HIST	150	Intro to Study of History	3
___	MATH	180	College Algebra	3
___	NSET	101	Intro Nat. Sci. & Eng. Tech.	3
___	POLS	250	Intro to Gov Systems	OR
___	POLS	102	American National Gov.	3
___	PSYC	150	Psychological Foundations	3
___	SOC	150	Sociological Foundations	OR
___	SOC	111	World Cultures	OR
___	SOC	105	Marriage and Family	3

DEPARTMENT GENERAL REQUIREMENTS 36

___	BIOL	101	General Biology I	3
___	BIOL	102	General Biology II	3
___	BIOL	103	General Biology Lab I	1
___	BIOL	104	General Biology Lab II	1
___	CET	206	Environmental Eng. Tech I	3
___	CHEM	103	General Chemistry Lab I	1
___	CHEM	104	General Chemistry Lab II	1
___	CHEM	221	Organic Chemistry	3
___	CHEM	222	Organic/Biochemistry	3
___	PHYS	101	Physics I	3
___	PHYS	102	Physics II	3
___	PHYS	103	Physics Lab I	1
___	PHYS	104	Physics Lab II	1
___	MATH	175	Elementary Statistics	3
___	MATH	185	Trigonometry	2
___	MATH	190	Calculus I	4

DEPARTMENT MAJOR REQUIREMENTS 46

Biology

___	BIOL	216	Intro to Microbiology	4
___	BIOL	243	Public Health	3
___	BIOL	334	Occupation Safety/Health	3
___	BIOL	341	Environmental Health	3
___	BIOL	448	Radiation Health & Protect	3
___	BIOL	488	Institutional Health	3

Environmental Health, Science and Protection

___	EHSP	301	Exposure Assessment	4
___	EHSP	305	Quantitative Aspects of Environmental Protection	3
___	EHSP	315	Environmental Chemistry	3
___	EHSP	316	Environmental Toxicology	4
___	EHSP	402	Risk Assess/Mgt & Comm	4
___	EHSP	424	Environ Prot Pol/Reg.	3
___	EHSP	415	Environmental Economics	3
___	EHSP	416	Environmental Mgt.	3

GENERAL ELECTIVES 6

___	___	___	_____	3
___	___	___	_____	3

Program Objectives

B.S. in Environmental Health Science and Protection

Upon successful completion of this program, a student will be able to:

1. Understand the fundamental environmental relationships of the world around them.
 - e. List the sources, interactions and protection mechanisms for physical, chemical, biological and radiological agents.
 - f. Demonstrate their understanding of chemical, physical and biological processes and how such processes impact the various systems of the body.
 - g. Appreciate the significance of environmental protection to the local, regional, national and global community.
2. Communicate through oral and written means the relevant issues of an environmental problem.
 - a. Be able to locate, interpret, utilize and communicate the results of research in solving environmental problems both to professionals and the public.
 - b. Relate the epidemiology, control, and ways of protecting the public from outbreaks of infectious diseases.
3. Calculate fundamental quantities related to environmental health.
 - a. Be able to perform stoichiometric calculations involving chemical reactions.
 - b. Perform a cost/benefit analysis and make decisions about the inherent risk based on social, political and economic factors.
4. Recognize and characterize potential environmental problems and formulate solutions for such problems.
 - a. List the regulatory policies of local, state and federal governments and apply such policies to ensure the safety of the public.
 - b. Be able to collect, identify and analyze various environmental pollutants (air, water, ground ...).
 - c. Understand the impact of environment issues on the operation of business and industry and promote environmental awareness among business professionals.
 - d. Develop a plan for the handling, storage, transportation and the clean up of hazardous materials.