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BIOLOGY - ENVIRONMENTAL OPTION, BACHELOR OF SCIENCE

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Curriculum

Course	Tialo	Hausa	Commission
Course	Title	Hours	Completed
Freshman			
Fall	Orientation to the Birls visal	,	
BIOL 1011	Orientation to the Biological Sciences	1	
BIOL 1114	Principles of Biology	4	
CHEM 2124	General Chemistry I	4	
& CHEM 2120	and General Chemistry I Lab	4	
ENGL 1013	Composition I	3	
MATH 1113	College Algebra	3	
	Hours	15	
Spring			
BIOL 2124	Principles of Zoology	4	
CHEM 2134	General Chemistry II	4	
& CHEM 2130	and General Chemistry II Lab		
ENGL 1023	Composition II	3	
STAT 2163	Introduction to Statistical Methods	3	
or PSY 2053	or Statistics for the Behavioral		
or SOC 2053	Sciences		
	or Statistics for the Behavioral Sciences		
USHG 1XXX	U.S. History and Government ¹	3	
USHG TAAA	Hours	17	
Canhamara	Hours	17	
Sophomore Fall			
	Dringinles of Potony	4	
BIOL 2134	Principles of Botany	4	
CHEM 3254	Fundamentals of Organic Chemistry	4	
PHYS 2014 & PHYS 2000	Algebra-Based Physics I and Physics Laboratory I	4	
PSY 2003	General Psychology	3	
or SOC 1003	or Introductory Sociology	9	
	Hours	15	
Spring			
BIOL 1004	Principles of Environmental Science	4	
CHEM 3264	Mechanistic Organic Chemistry	4	
COMM 2003	Public Speaking	3	
or COMM 2173	or Business and Professional		
	Speaking		
PHYS 2024	Algebra-Based Physics II	4	
& PHYS 2010	and Physics Laboratory II		
	Hours	15	
Junior			
Fall			
BIOL 3034	Genetics	4	
BIOL 3043	Conservation	3	

BIOL 3054	Microbiology	4	
GEOL 1014	Physical Geology	4	
	Hours	15	
Spring			
Environmental Science Elective ⁴		3-4	
Major Support Elective ²		3-4	
Mathematics or Statistics Elective ³		3	
SS 1XXX	Social Science Courses ¹	3	
Elective		3	
	Hours	15-17	
Senior			
Fall			
BIOL 3114	Principles of Ecology	4	
or BIOL 4094	or Coastal Ecology		
Environmental Science Elective ⁴		3-4	
FAH 1XXX	Fine Arts and Humanities Courses ¹	3	
Major Support Elective ²		3-4	
Elective		3	
	Hours	16-18	
Spring			
BIOL 3174	Physiological Ecology	4	
BIOL 4111	Environmental Seminar	1	
Environmental Science Elective ⁴		4	
FAH 1XXX	Fine Arts and Humanities Courses ¹	3	
	Hours	12	
	Total Hours	120-124	

See appropriate alternatives or substitutions in "General Education Requirements".

Mathematics and Statistics Elective courses include: any mathematics course higher than MATH 1113 College Algebra or any statistics course higher than STAT 2163 Introduction to Statistical Methods.

Major Support Elective courses include: BIOL 3353 Fundamentals of Toxicology, CHEM 3313 Environmental Chemistry, CHEM 4991 Special Problems in Chemistry, CHEM 4992 Special Problems in Chemistry, CHEM 4993 Special Problems in Chemistry, FW 2833 Introduction to Geographic Information Systems, FW 3074 Habitat Evaluation, FW 4034 Advanced Geographic Information Systems Applications, GEOL 3083 Hydrogeology, GEOL 3153 Environmental Geology, PHSC 3033 Meteorology.

Environmental Elective courses include: BIOL 3004 Plant Taxonomy, BIOL 3033 Bioinformatics, BIOL 3064 Parasitology, BIOL 3084 Ichthyology, BIOL 3104 Introduction to Entomology, BIOL 3134 Invertebrate Zoology, BIOL 3144 Ornithology, BIOL 3184 Animal Behavior, BIOL 3224 Herpetology, BIOL 4023 Immunology, BIOL 4024 Limnology, BIOL 4043 Conservation Genetics, BIOL 4044 Dendrology, BIOL 4054 Vertebrate Histology, BIOL 4064 Evolutionary Biology, BIOL 4124 Biological Assessment of Water Quality, BIOL 4163 Biodiversity and Conservation Biology, BIOL 4112 Biology Internship, BIOL 4114 Biology Internship, BIOL 4881 Advanced Topics in Biology, BIOL 4882 Advanced Topics in Biology, BIOL 4883 Advanced Topics in Biology, BIOL 4951 Undergraduate Research in Biology, BIOL 4952 Undergraduate Research in Biology, BIOL 4953 Undergraduate Research in Biology, BIOL 4954 Undergraduate Research in Biology
 At least 40 of the total hours required for graduate must be 3000-4000 level courses.