

ENVIRONMENTAL SCIENCE - NATURAL SCIENCE EMPHASIS REQUIREMENTS (BA/BS)

Code	Title	Units
Major Requirements - 56 units		
ENVSCI 100	EXPLORATION OF THE ENVIRONMENTAL SCIENCE MAJOR	1
ENVSCI 200	INTRODUCTION TO ENVIRONMENTAL SCIENCE	3
ENVSCI 300	FIELD AND RESEARCH METHODS IN ENVIRONMENTAL SCIENCE	3
ENVSCI 400	ENVIRONMENTAL SCIENCE CAPSTONE	3
BIOLOGY 141	INTRODUCTORY BIOLOGY I	5
BIOLOGY 142	INTRODUCTORY BIOLOGY II	5
CHEM 102	GENERAL CHEMISTRY I	5
GEOGRPY 270	GIS I: MAPPING OUR WORLD	3
or HISTRY 190	NORTH AMERICAN ENVIRONMENTAL HISTORY	
Select 15 units (at least 9 units from 300-400 level) approved Natural Sciences courses:		15
BIOLOGY 251	INTRODUCTION TO GENETICS	
BIOLOGY 257	INTRODUCTION TO ECOLOGY	
BIOLOGY 258	ECOLOGICAL FIELD METHODS	
BIOLOGY 303	BIostatISTICS	
BIOLOGY 351	THE PLANT KINGDOM	
BIOLOGY 353	PLANT TAXONOMY	
BIOLOGY 354	FIELD BOTANY	
BIOLOGY 359	AQUATIC PLANT BIOLOGY	
BIOLOGY 370	AQUATIC BIOLOGY	
BIOLOGY 375	INVERTEBRATE ZOOLOGY	
BIOLOGY 380	VERTEBRATE ZOOLOGY	
BIOLOGY 430	ANIMAL BEHAVIOR	
BIOLOGY 442	ENVIRONMENTAL TOXICOLOGY	
BIOLOGY 450	INTRODUCTORY ENTOMOLOGY	
BIOLOGY 457	WILDLIFE ECOLOGY	
BIOLOGY 491	TRAVEL STUDY	
CHEM 104	GENERAL CHEMISTRY II	
CHEM 251	ORGANIC CHEMISTRY - I	
ENVSCI 357	CONSERVATION BIOLOGY	
or BIOLOGY 357	CONSERVATION BIOLOGY	
ENVSCI 493	INTERNSHIP IN ENVIRONMENTAL SCIENCE	
GEOGRPY 300	SOIL SCIENCE	
GEOGRPY 330	BIOGEOGRAPHY	
Select a minimum of 6 units of approved Geoscience courses:		6
CHEM 104	GENERAL CHEMISTRY II	
ENVSCI 451	ADVANCED ENVIRONMENTAL SCIENCE IN NATIONAL PARKS	
GEOGRPY 120	GLOBAL CLIMATE SYSTEMS	
GEOGRPY 210	PHYSICAL GEOGRAPHY	
GEOGRPY 300	SOIL SCIENCE	

GEOGRPY 310	GEOMORPHOLOGY (LANDFORMS)	
GEOGRPY 320	WEATHER ANALYSIS	
GEOGRPY 323	WATER RESOURCES	
GEOGRPY 330	BIOGEOGRAPHY	
GEOGRPY 352	GEOHAZARDS	
or GEOLGY 352	GEOHAZARDS	
GEOGRPY 377	REMOTE SENSING OF THE ENVIRONMENT	
GEOGRPY 420	CLIMATE CHANGE: THE SCIENCE AND IMPACTS	
GEOGRPY 423	RIVERS AND FLOODS	
GEOGRPY 460	GIS IN WATER RESOURCES	
GEOGRPY 470	APPLIED ENVIRONMENTAL AND NATURAL RESOURCE GIS	
GEOGRPY 492	FIELD COURSE	
GEOLGY 204	EARTH AND LIFE HISTORY	
or GEOLGY 214	EARTH'S ENVIRONMENTAL HISTORY	
GEOLGY 300	PRINCIPLES OF OCEANOGRAPHY	
GEOLGY 301	ENVIRONMENTAL GEOLOGY	
GEOLGY 310	ROCKS AND MINERALS	
GEOLGY 317	PALEONTOLOGY	
GEOLGY 318	GEOLOGIC STRUCTURES AND FIELD METHODS	
GEOLGY 319	STRATIGRAPHY AND SEDIMENTATION	
GEOLGY 492	FIELD STUDIES IN GEOLOGY	
PHYSICS 130	PHYSICS FOUNDATIONS	
Select a minimum of 6 units of approved Sustainability and Environmental Management courses:		6
ECON 471	ENVIRONMENTAL AND NATURAL RESOURCE ECONOMICS	
ENGLISH 260	AMERICAN ENVIRONMENTAL LITERATURE	
ENVSCI 222	INTRODUCTION TO SUSTAINABILITY	
GEOGRPY 261	LANDSCAPES OF NORTH AMERICA: PEOPLE AND ENVIRONMENT	
GEOGRPY 354	NATURAL HAZARD MITIGATION	
GEOGRPY 444	CITIES AND SUSTAINABILITY	
GEOGRPY 452	SUSTAINABLE DEVELOPMENT AND HUMAN-ENVIRONMENT GEOGRAPHY	
PHILSPHY 248	ENVIRONMENTAL ETHICS	
POLISCI 343	US ENVIRONMENTAL POLITICS AND POLICY	
PWP 435	GRANT/PROPOSAL WRITING	
SAFETY 220	PRINCIPLES OF ENVIRONMENTAL MANAGEMENT	
SAFETY 353	FUNDAMENTALS OF ENVIRONMENTAL LAW	
SAFETY 389	HAZARDOUS MATERIALS MANAGEMENT	
SOCIOLGY 319	ENVIRONMENTAL SOCIOLOGY	
SOCIOLGY 321	SOCIOLOGY OF NATURAL DISASTERS	
WOMENST 481	GENDER, ETHNICITY, AND THE ENVIRONMENT	
Select 1-3 units of Experiential Learning (undergraduate research, Internship, travel study):		1-3
Total Units		56-58

Code	Title	Units
University Writing Requirement:		
PWP 371	WRITING IN THE SCIENCES	3
Unique Requirements:		
Select 8-10 units from one of the following techniques option areas:		8-10
Area A - Geographic Information Systems:		
GEOGRPY 370	GIS II: APPLICATIONS AND DATA	4
and two of the following:		
GEOGRPY 377	REMOTE SENSING OF THE ENVIRONMENT	
GEOGRPY 460	GIS IN WATER RESOURCES	
GEOGRPY 470	APPLIED ENVIRONMENTAL AND NATURAL RESOURCE GIS	
GEOGRPY 477	ADVANCED GEOGRAPHIC INFORMATION SYSTEMS (GIS)	
Area B - Analytical Chemistry:		
CHEM 104	GENERAL CHEMISTRY II	5
CHEM 352	QUANTITATIVE ANALYSIS	5
Area C - Ecological Field and Lab Methods:		
BIOLOGY 258	ECOLOGICAL FIELD METHODS	2
and two of the following:		
BIOLOGY 351	THE PLANT KINGDOM	
BIOLOGY 353	PLANT TAXONOMY	
BIOLOGY 354	FIELD BOTANY	
BIOLOGY 359	AQUATIC PLANT BIOLOGY	
BIOLOGY 370	AQUATIC BIOLOGY	
BIOLOGY 375	INVERTEBRATE ZOOLOGY	
BIOLOGY 430	ANIMAL BEHAVIOR	
BIOLOGY 450	INTRODUCTORY ENTOMOLOGY	
BIOLOGY 457	WILDLIFE ECOLOGY	
Area D - Environmental Writing and Communication:		
ENGLISH 260	AMERICAN ENVIRONMENTAL LITERATURE	3
and two of the following:		
COMM 285	SOCIAL MEDIA OPTIMIZATION & THE NEW WEB	
COMM 327	CORPORATE COMMUNICATION FOUNDATIONS	
ENGLISH 386	NATURE WRITING	
JOURNLSM 227	WRITING FOR NEWS MEDIA	
PWP 332	WRITING FOR THE WEB	
PWP 366	TOPICS IN PROFESSIONAL WRITING	
PWP 435	GRANT/PROPOSAL WRITING	