

ENVIRONMENTAL SCIENCE - SUSTAINABILITY & ENVIRONMENTAL MANAGEMENT EMPHASIS REQUIREMENTS (BA/BS)

Code	Title	Units
Major Requirements - 55 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
CHEM 102	GENERAL CHEMISTRY I	5
ECON 471	ENVIRONMENTAL AND NATURAL RESOURCE ECONOMICS	3
GEOGRPY 270 or HISTRY 190	GIS I: MAPPING OUR WORLD NORTH AMERICAN ENVIRONMENTAL HISTORY	3
GEOGRPY 452	SUSTAINABLE DEVELOPMENT AND HUMAN-ENVIRONMENT GEOGRAPHY	3
SAFETY 353	FUNDAMENTALS OF ENVIRONMENTAL LAW	3
Select 15 units (at least 9 units from 300-400 level) approved Sustainability and Environmental Management courses:		15
ENGLISH 260	AMERICAN ENVIRONMENTAL LITERATURE	
ENVSCI 222	INTRODUCTION TO SUSTAINABILITY	
ENVSCI 493	INTERNSHIP IN ENVIRONMENTAL SCIENCE	
GEOGRPY 261	LANDSCAPES OF NORTH AMERICA: PEOPLE AND ENVIRONMENT	
GEOGRPY 354	NATURAL HAZARD MITIGATION	
GEOGRPY 444	CITIES AND SUSTAINABILITY	
PHILSPHY 248	ENVIRONMENTAL ETHICS	
POLISCI 343	US ENVIRONMENTAL POLITICS AND POLICY	
PWP 435	GRANT/PROPOSAL WRITING	
SAFETY 220	PRINCIPLES OF ENVIRONMENTAL MANAGEMENT	
SAFETY 474	FACILITY WATER MANAGEMENT	
SAFETY 389	HAZARDOUS MATERIALS MANAGEMENT	
SAFETY 393	AIR POLLUTION EVALUATION AND CONTROL	
SOCIOLGY 319	ENVIRONMENTAL SOCIOLOGY	
SOCIOLGY 321	SOCIOLOGY OF NATURAL DISASTERS	
WOMENST 481	GENDER, ETHNICITY, AND THE ENVIRONMENT	
Select a minimum of 6 units of approved Natural Science courses:		6
BIOLOGY 120	BIOLOGICAL FOUNDATIONS	

BIOLOGY 141	INTRODUCTORY BIOLOGY I	
BIOLOGY 142	INTRODUCTORY BIOLOGY II	
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 357 or ENVSCI 357	CONSERVATION BIOLOGY	
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	
GEOGRPY 300	SOIL SCIENCE	
GEOGRPY 330	BIOGEOGRAPHY	
PHYSICS 130	PHYSICS FOUNDATIONS	
Select a minimum of 6 units of approved Geoscience courses:		6
CHEM 104	GENERAL CHEMISTRY II	
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 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	
GEOLGY 204 or GEOLGY 214	EARTH AND LIFE HISTORY	
GEOLGY 300	PRINCIPLES OF OCEANOGRAPHY	
GEOLGY 301	ENVIRONMENTAL GEOLOGY	
GEOLGY 310	ROCKS AND MINERALS	
GEOLGY 317	PALEONTOLOGY	
GEOLGY 451	FIELD METHODS IN ENVIRONMENTAL CHANGE IN NATIONAL PARKS	

or ENVSCI 451 FIELD METHODS IN ENVIRONMENTAL CHANGE IN NATIONAL PARKS

GEOLOGY 492 FIELD STUDIES IN GEOLOGY

PHYSICS 130 PHYSICS FOUNDATIONS

Select 1-3 units Experiential Learning (undergraduate research, Internship, travel study): **1-3**

Total Units **55-57**

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 451 FIELD METHODS IN ENVIRONMENTAL CHANGE IN NATIONAL PARKS

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 INTRODUCTION TO CORPORATE COMMUNICATION

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