

Interested in solving environmental problems and conserving the Earth's natural resources?

B.S., Environmental Science

The Biosphere

From microbes to plants, animals, and humans, biota interact with their physical and chemical environment. Apply biological principles to biodiversity, adaptation to global change, and habitat conservation, restoration, and rehabilitation.

Soil, Air, and Water

Develop strategies to address difficult issues faced by civilization in its stewardship of Earth's physical resources, including soils, fresh waters, oceans, and the atmosphere.

Leadership, Sustainability & Communication

Be a part of the response to air and water pollution, waste management, biodiversity, ecosystem and natural resource management, and climate change through development of environmental laws, regulations, and policies.

Physical and Chemical Dynamics

Discover the intricacies of the chemical, physical, and hydrogeological processes of the environment and apply these principles to environmental conservation and solution of ecological challenges.

For more information contact an advisor:

Dept. Soil Water Environmental Science Kathleen Landeen, Academic Advisor klandeen@email.arizona.edu 520-621-1606



Why major in Environmental Science?





□ Top jobs in progressive fields. Our graduates use their knowledge of the natural sciences to study, develop, guide, and implement policies and plans for managing and protecting the environment, natural resource and human health. Focus on the environment continues to grow, and employment of environmental scientists is expected to grow 15 percent in the next decade. Our majors work indoors and outdoors for private companies, government agencies, non-profit organizations, and advocacy groups.

□ An outstanding learning environment. The

Environmental Science curriculum encompasses a broad range of disciplines, including soil science, chemistry, biology, microbiology, physics, geology, hydrology, and aquaculture. Teaching incorporates classroom, laboratory, and field experiences. Students receive personalized attention from faculty and advisors.

- □ Hands-on learning experiences. Our majors are provided opportunities to do internships with prospective employers and to conduct research with top environmental science faculty. Students experience environmental science outdoors, in Arizona as well as in international settings. Practical field experiences in environmental monitoring and remediation are included in our dynamic curriculum.
- □ Have a global impact. The Earth's ecosystems are comprised of soils, water, air, microbes, plants, and animals poised in a delicate balance, are impacted by human activities. You can be an integral part of the conservation, management, sustainability, protection, and restoration of these natural resources in the face of challenges presented by growing human populations, declining resources, and global climate change.

| General Education | Course | Units |
|---|---------------------------|-------|
| First Year Composition 1 | ENGL 101 | 3 |
| First Year Composition 2 | ENGL 102 | 3 |
| College Algebra Concepts & Applications | MATH 112 | 3 |
| General Education, Tier 1 | TRAD 1 | 3 |
| General Education, Tier 1 | TRAD 2 | 3 |
| General Education, Tier 1 | INDV 1 | 3 |
| General Education, Tier 1 | INDV 2 | 3 |
| General Education, Tier 2 | Humanities | 3 |
| General Education, Tier 2 | Individuals & Societies | 3 |
| General Education, Tier 2 | Arts | 3 |
| Pre-major | Course | Units |
| General Chemistry 1 | CHEM 151 | 4 |
| General Chemistry 2 | CHEM 152 | 4 |
| Introductory Biology I & II | ECOL 182R & MCB 181R | 6 |
| Introductory Physics I | PHYS 102/181 | 4 |
| Introductory Microbiology | MIC 205A | 3 |
| Environmental Science Core | Course | Units |
| Introduction to Soil Science AND Laboratory | ENVS 200 AND 201 | 4 |
| Fundamentals of Environ Science & Sustainability | ENVS 210 | 3 |
| Critical Zone Science | ENVS 270 | 3 |
| Quantitative Skills in Natural Sciences | ENVS 275 | 3 |
| Pollution Science | ENVS 305 | 3 |
| Environmental Chemistry | ENVS 340 | |
| OR Environmental Organic Chemistry | OR ENVS 464 | 3 |
| OR Environmental Soil & Water Chemistry | OR ENVS 462 | |
| Environmental Physics | ENVS 420 | 3 |
| Environmental Microbiology | ENVS 425 | |
| OR Aquatic Plants & the Environment | OR ENVS 474 | 3-4 |
| OR Freshwater & Marine Algae | OR ENVS 475 | |
| Environmental Assessment for Contaminated Sites | ENVS 480 | 3 |
| Career Preparation | Course | Units |
| Careers in Environmental Science | ENVS 195A | 1 |
| Individual Studies: Directed Research, Internship, Teaching | ENVS 392, 393, 397A, 399, | 1-3 |
| workshop; Independent Study, Practicum, or Thesis | 399H, OR 492 | _ |
| Scientific Writing | ENVS 408 | 3 |
| OR Translating Environmental Science | OR ENVS 415 | - |
| Environ Monitoring & Remediation | ENVS 430 R/L | 4 |
| OR Senior Capstone Research | OR ENVS 498A/B | • |
| Sub-plan requirements and electives | | 26 |

Choose 1 Sub-Plan

| Sub-plan: The Biosphere | | | |
|--|-----------------------|--------------|--|
| Group I: Required courses, take all (10 to 12 units) | Course | Units | |
| Elements of Calculus | MATH 113 | | |
| OR First Semester Calculus | MATH 122B | 3-4 | |
| OR Calculus I | MATH 125 | | |
| Organic Chemistry 1 | CHEM 241A & 243A | 4 | |
| Natural Resources Ecology | RNR 316 | | |
| OR Ecology | OR ECOL 302 | 3-4 | |
| Group II: Select a minimum of 10 units | Course | Units | |
| Organic Chemistry 2 | CHEM 241B | 3 | |
| Environmental Microbiology | ENVS 425 | 3 | |
| Environmental Microbiology Laboratory | ENVS 426 | 2 | |
| Aquatic Plants & the Environment | ENVS 474 | 4 | |
| Biochemistry | BIOC 462A | 4-5 | |
| Ecology | ECOL 302 | 4 | |
| Genetics | ECOL 320 | 4 | |
| Evolutionary Biology | ECOL 335 | 4 | |
| Freshwater & Marine Algae | ENVS 475 | 4 | |
| Group III: Select a minimum of 6 units | Course | Unit | |
| Living in Symbiosis | ECOL 310 | 3 | |
| Conservation Biology in the Field | ECOL 406 L | 1 | |
| | | | |
| Conservation Biology | ECOL 406 R | 3 | |
| Soil Fertility & Plant Nutrition | ENVS 316 | 3 | |
| Soil Genesis, Morphology & Classification | ENVS 431 | 3 | |
| Biodegradation of Pollutants in Soil & Groundwater | ENVS 440 | 3 | |
| Watersheds & Ecosystem Function | ENVS 456A | 3 | |
| Reclamation and Redevelopment of Impacted Lands | ENVS 482 | 3 | |
| Physical Geology | GEOS 251 | 4 | |
| Ocean Sciences | GEOS 412A | 4 | |
| Global Change | GEOS 478 | 3 | |
| Watershed Hydrology | HWRS 460A | 3-4 | |
| OR Principles of Hydrology | OR HWRS 249A/B OR 250 | 5 - | |
| Introduction to Statistics and Biostatistics | MATH 263 | | |
| OR Intro to Stat Methods | OR MAT 363 | 3 | |
| OR Theory of Statistics | OR MAT 466 | | |
| OR Introduction to Biostatistics | OR BIOS 376 | | |
| Molecular Biology | MCB 411 | 3-4 | |
| Recombinant DNA Methods & Applications | MCB 473 | 4 | |
| Microbial Physiology | MIC 328R | 3 | |
| Microbiological Techniques | MIC 421b | 3 | |
| Natural Resources Ecology | RNR 316 | 3 | |
| Natural Resource Management Practices | RNR 384 | 3 | |
| Applications of Geographic Information Systems | RNR 403 | 3 | |
| Dryland Ecohydrology and Vegetation Dynamics | RNR 452 | 4 | |
| Cons. Biology: Field Studies in Developing Countries | RNR 495F | - | |
| OR Amazon Rainforest Cons. Biology in Ecuador | RNR 495G | 3 - 6 | |
| Limnology | WFCS 441 | 4 | |

| Sub-plan: Soil, Air, and Water | | |
|---|-----------------------|-------|
| Group I: Required courses, take all (9-10 units) | Course | Units |
| Elements of Calculus | MATH 113 | |
| OR First Semester Calculus | MATH 122B | 3-4 |
| OR Calculus I | MATH 125 | |
| Soil Ecology of Sustainable Plant Systems | ENVS 3XX | |
| OR Soil Fertility & Plant Nutrition | OR ENVS 316 | |
| OR Sustainable Mgt of Arid Lands & Salt-Affected Soils | OR ENVS 401 | 3 |
| OR Soil Genesis, Morphology & Classification | OR ENVS 431 | |
| OR Soil Physics | OR ENVS 470 | |
| Introduction to Statistics and Biostatistics | MATH 263 | |
| OR Intro to Stat Methods | OR MAT 363 | |
| OR Theory of Statistics | OR MAT 466 | 3 |
| OR Introduction to Biostatistics | OR BIOS 376 | |
| Group II: Select a minimum of 9 units | Course | Units |
| Fundamentals of Atmospheric Sciences | ATMO 436A | 3 |
| Organic Chemistry 1 | CHEM 241A & 243A | 4 |
| Soil Fertility & Plant Nutrition | ENVS 316 | 3 |
| Sustainable Management of Arid Lands & Salt-Affected Soils | ENVS 401 | 3 |
| Soil Genesis, Morphology & Classification | ENVS 431 | 3 |
| Green Infrastructure | ENVS 450 | 3 |
| Water Harvesting | ENVS 454 | 3 |
| Soil & Water Conservation | ENVS 461 | 3 |
| Environmental Soil and Water Chemistry | ENVS 462 | |
| Soil Physics | ENVS 402 | 3 |
| Reclamation and Redevelopment of Impacted Lands | ENVS 482 | 3 |
| Principals of Stratigraphy & Sedimentation | GEOS 302 | 4 |
| Ocean Sciences | GEOS 412A | 4 |
| Geomorphology | GEOS 450 | 4 |
| Watershed Hydrology | HWRS 460A | |
| OR Principles of Hydrology | OR HWRS 250 OR 249A/B | 3-4 |
| Introductory Physics II | PHYS 103 | |
| OR Introductory Mechanic | OR PHYS 141 | 3-4 |
| OR Introductory Optics and Thermodynamics | OR PHYS 142 | |
| Global Change | GEOS 478 | 3 |
| Applications of Geographic Information Systems | RNR 403 | |
| OR Geographic Information Systems for Natural & Social Sci. | OR RNR 417 | 3 |
| Dryland Ecohydrology and Vegetation Dynamics | RNR 452 | 4 |
| Group III: Select a minimum of 8 units | Course | Units |
| Physical Climatology: Mechanisms of Change | ATMO 421 | 3 |
| Air Pollution I: Gases | ATMO 469a | 3 |
| Air Pollution II: Aerosols | ATMO 469b | 3 |
| Synoptic Meteorology | ATMO 4000 | 3 |
| Atmospheric Electricity | ATMO 471 | 3 |
| Remote Sensing of Planet Earth | ATMO 485 | 3 |
| Conservation Biology in the Field | ECOL 406 L | 1 |
| Conservation Biology | ECOL 406 R | 3 |
| | | , J |

| Sub-plan: Soil, Air, and Water | | |
|---|-------------|-------|
| Group III continued | Course | Units |
| Introduction to Remote Sensing | ENVS 330 | 3 |
| Introduction to Human Health Risk Assessment | ENVS 418 | 3 |
| Environmental Microbiology | ENVS 425 | 3 |
| Environmental Microbiology Laboratory | ENVS 426 | 2 |
| Watersheds & Ecosystem Function | ENVS 456A | 3 |
| Aquatic Plants & the Environment | ENVS 474 | 4 |
| Water, Environment, & Society | GEOG 304 | 3 |
| Field Study in Geography Workshop | GEOG 397A | 1 |
| Biogeography | GEOG 438 | 3 |
| Environmental & Resource Geography | GEOG 461 | 3 |
| Physical Geology | GEOS 251 | 4 |
| Glacial & Quaternary Geology | GEOS 453 | 3 |
| Calculus II | MATH 129 | 3 |
| Rangeland Plant Communities of the West | RAM 382 | 3 |
| Management & Restoration of Wildlands Vegetation | RAM 446 | 3 |
| Rangeland Inventory & Monitoring | RAM 456a | 3 |
| Natural Resources Measurements | RNR 321 | 3 |
| Conservation Planning & Wildland Recreation | RNR 448 | 2-3 |
| Environmental Land Use Planning | RNR 472 | 3 |
| Natural Resources Policy & Law | RNR 480 | 3 |
| Natural Resources Economics & Planning | RNR 485A | 3 |
| Conservation Biology: Field Studies in Developing Countries | RNR 495F | 2.6 |
| OR Amazon Rainforest Conservation Biology in Ecuador | OR RNR 495G | 3 - 6 |
| Limnology | WFSC 441 | 4 |
| Dryland Ecohydrology & Vegetation Dynamics | WSM 452 | 3 |
| Watershed Management | WSM 462 | 3 |
| Wildland Water Quality | WSM 468 | 3 |

| Sub-plan: Leadership, Sustainability and Communication | | | |
|---|----------------------|-------|--|
| Group I: Required courses, take 6 units | Course | Units | |
| Ecosystem Health and Justice | ENVS 310 | | |
| OR Toxic! The Anthropology of Exposure | OR ANTH 373 | | |
| OR Reclamation and Redevelopment of Impacted Lands | OR ENVS 482 | 3 | |
| OR Environment, Health, and Society | OR SOC 350 | | |
| Translating Environmental Science | ENVS 415 | | |
| OR Scientific Writing for Environmental, Agricultural & Life Sciences | OR ENVS 408 | | |
| OR Communicating Knowledge in Agriculture & the Life Sciences | OR AGTM 422 | | |
| OR Communication and Public Relations | OR COMM 313 | | |
| OR Advances in Health Communication | OR COMM 469 | 3 | |
| OR Environmental Journalism | OR JOUR 455 | | |
| OR Issues in Covering Science and the Environment | OR JOUR 465 | | |
| OR Science Journalism | OR JOUR 472 | | |
| Group II: Select a minimum of 11 units | Course | Units | |
| Globalization, the Environment, and Indigenous Religions | ANTH 428A | | |
| OR Ecological Anthropology | OR ANTH 307 | 3 | |
| OR Environmental Archaeology | OR ANTH 332 | 5 | |
| Southwest Land & Society | ANTH 418 | 3 | |
| Toxic! The Anthropology of Exposure | ANTH 418 ANTH 373 | 3 | |
| Inro to Human Risk Assessment | | | |
| | ENVS 418 | 3 | |
| Reclamation and Redevelopment of Impacted Lands | ENVS 482 | 3 | |
| Teaching Workshop | ENVS 397A | | |
| OR Teaching Geosciences | OR GEOS 397A | 1-5 | |
| OR Undergrad. Teaching Training in Ecology and Evolutionary Biology | OR ECOL 497A | | |
| OR Environmental Learning | OR TLS 431 | | |
| Integrating Technology into the Curriculum | ETCV 310 | 3 | |
| OR Teaching with New Technologies | OR TLS 318 | | |
| U.S. Environmental History | HIST 355 | 3 | |
| Global Environmental History | HIST 356 | 3 | |
| Environmental Ethics | PHIL 323 | 3 | |
| Environmental Psychology | PSYC 374 | 3 | |
| Environmental Sociology | SOC 307 | 3 | |
| Social Movements & Activism | SOC 313 | 3 | |
| Environment, Health, and Society | SOC 350 | 3 | |
| Group III: Select a minimum of 9 units | Course | Units | |
| Political Ecology | ANTH 424A | 3 | |
| Environmental Economics | AREC 373 | 3 | |
| Economics of Policy Analysis | AREC 464 | 3 | |
| Environmental Law & Economics | AREC 476 | 3 | |
| Economics of Water Management & Policy | AREC 479 | 3 | |
| Weather, Climate, & Society | ATMO 336 | 3 | |
| Physical Climatology: Mechanisms of Change | ATMO 421C | 3 | |
| Conservation Biology | ECOL 406 R | 3 | |
| Conservation Biology: Field Studies in Namibia | RNR 495F | 3 | |
| Environmental & Resource Geography | GEOG 461 | 3 | |

| Group III continued | Course | Units |
|---|--------------|-------|
| Introduction to Dendrochronology | GEOS 439A | 4 |
| Introduction to Quaternary Ecology | GEOS 462 | 3 |
| Global Change | GEOS 478 | 3 |
| Elements of Calculus | MATH 113 | |
| OR First Semester Calculus | OR MATH 122B | 3-4 |
| OR Calculus I | OR MATH 125 | |
| Introduction to Statistics and Biostatistics | MATH 263 | |
| OR Intro to Stat Methods | OR MAT 363 | 2 |
| OR Theory of Statistics | OR MAT 466 | 3 |
| OR Introduction to Biostatistics | OR BIOS 376 | |
| Global Climate Change: Integrating Sci, Policy, & Decision Making | PA 461 | 3 |
| Formation of Public Policy | PA 480 | 3 |
| Environmental Policy | PA 481 | 3 |
| Adaptation to Climate Change | RNR 440 | 3 |
| Environmental Land Use Planning | RNR 472 | 3 |
| Natural Resources Policy & Law | RNR 480 | 3 |
| Natural Resources Economics & Planning | RNR 485A | 4 |

| Sub-plan: Physical and Chemical Dynamics | Course | Units | |
|--|-----------------------|-------|--|
| Group I: Required courses, take all (10-11 units) | Course | Units | |
| First Semester Calculus | MATH 122B | 3-4 | |
| OR Calculus I | OR MATH 125 | | |
| Organic Chemistry 1 | CHEM 241A & 243A | 4 | |
| Introduction to Statistics and Biostatistics | MATH 263 | | |
| OR Intro to Stat Methods | OR MAT 363 | | |
| OR Theory of Statistics | OR MAT 466 | 3 | |
| OR Introduction to Biostatistics | OR BIOS 376 | | |
| Group II: Select a minimum of 10 units | Course | Units | |
| Biochemistry | BIOC 462A | 4 5 | |
| OR Foundations in Biochemistry | OR BIOC 384 | 4-5 | |
| Environmental Chemistry | ENVS 340 | 3 | |
| Environmental Soil & Water Chemistry | ENVS 462 | 3 | |
| Environmental Organic Chemistry | ENVS 464 | 3 | |
| Soil Physics | ENVS 470 | 3 | |
| Principles of Analysis I | CHEM 322 | 2 | |
| Principles of Analysis I Laboratory | CHEM 323 | 1 | |
| Organic Chemistry 2 | CHEM 241B | 3 | |
| Physical Chemistry | CHEM 480A | 3 | |
| Physical Geology | GEOS 251 | 4 | |
| Watershed Hydrology | HWRS 460A | | |
| OR Principles of Hydrology | OR HWRS 250 OR 249A/B | 3-4 | |
| Hydrogeology | HWRS 431 | 4 | |
| Hydrology | HWRS 423 | 3 | |
| Calculus II | MATH 129 | 3 | |
| Introductory Physics II | PHYS 103 | | |
| OR Introductory Mechanic | OR PHYS 141 | 3-4 | |
| OR Introductory Optics and Thermodynamics | OR PHYS 142 | • | |
| Watershed Hydrology | WSM 460 | 3 | |
| Group III: Select a minimum of 6 units | Course | Units | |
| Sustainable Management of Arid Lands & Salt-Affected Soils | ENVS 401 | 3 | |
| Environmental Microbiology | ENVS 425 | 3 | |
| Soil Genesis, Morphology & Classification | ENVS 431 | 3 | |
| Biodegradation of Pollutants | ENVS 440 | 3 | |
| Reclamation and Redevelopment of Impacted Lands | ENVS 482 | 3 | |
| Air Pollution I: Gases | ATMO 469A | 3 | |
| Air Pollution II: Aerosols | ATMO 469B | 3 | |
| Environmental & Water Engineering | CHEE 370R | 3 | |
| Environmental & Water Engineering Laboratory | CHEE 370L | 1 | |
| Water Chemistry for Engineers | CHEE 400R | 3 | |
| Water Chemistry for Engineers Laboratory | CHEE 400L | 1 | |
| Introduction to Hazardous Waste Management | CHEE 478 | 3 | |
| Inorganic Chemistry | CHEM 404A | 3 | |
| Introduction to Geochemistry | GEOS 400 | 3 | |
| | | | |

Environmental Science/Soil & Water Science Minors

Students may select a Minor in Environmental Science or Soil and Water Science while majoring in a complementary alternate field of study. This minor requires twenty units, regardless of department guidelines for minors. A minimum of nine units must be unique to this minor.

| Environmental Science Minor | | Course | Units |
|--|--------|--|-------|
| General Sciences Courses (Select 14 units) | | | |
| Careers in Environmental Science | | ENVS 195A | 1 |
| Introduction to Soil Science | | ENVS 200 | 3 |
| Soils Laboratory | | ENVS 201 | 1 |
| Fundamentals of Environmental Science & Sustainability | | ENVS 210 | 3 |
| Water Harvesting | | ENVS 454 | 3 |
| Introductory Biology | | MCB 181R | 3 |
| Upper Division Courses (Select 6 units from the following) | | ENVS, AREC, ATMOS, HIST, HWRS, POL, RNR | 6 |
| | TOTAL: | | 20 |
| Soil & Water Science Minor | | Course | Units |
| General Sciences Courses (11 units) | | | |
| Introduction to Soil Science | | ENVS 200 | 3 |
| Soils Laboratory | | ENVS 201 | 1 |
| Physical Geology | | GEOS 251 | 4 |
| Water Harvesting | | ENVS 454 | 3 |
| Upper Division Courses (Select 9 units) | | | |
| Soil Fertility & Plant Nutrition | | ENVS 316 | 3 |
| Sustainable Management of Arid Lands & Salt-Affected Soils | | ENVS 401 | 3 |
| Soil Genesis, Morphology & Classification | | ENVS 431 | 3 |
| Soil & Water Conservation | | ENVS 461 | 3 |
| Soil Physics | | ENVS 470 | 3 |
| Pollution Science | | ENVS 305 | 3 |
| Environmental Chemistry | | ENVS 340 | 3 |
| Environmental Physics | | ENVS 420 | 3 |
| Environmental Soil and Water Chemistry | | ENVS 462 | 3 |
| | TOTAL: | | 20 |

Environmental Science Major Four-Year Sample Plan

| SEMESTER 1 | 15 | SEMESTER 2 | 15 |
|--|----|--|---------|
| CALS 195A Cultivating Academic Learning Strategies | 1 | ENGL 102 First-Year Composition | 3 |
| ENGL 101 English Composition | 3 | Language | 4 |
| Language | 4 | ENVS 200 & 201 Intro Soil Science & Lab | 4 |
| ENVS 210 Fund Environ Sci & Sustainability | 3 | CHEM 152 General Chemistry II | 4 |
| CHEM 151 General Chemistry | 4 | | |
| SEMESTER 3 | 15 | SEMESTER 4 | 16 |
| ENVS 275 Quantitative Skills for Natural Sciences | 3 | MIC 205A General Microbiology | 3 |
| MCB 181R Introductory Biology I | 3 | ENVS 270 Critical Zone Science | 3 |
| Tier I Gen-Ed | 3 | ENVS 195A Careers in Environ Science | 1 |
| Subplan class | 3 | Subplan class | 3 |
| ENVS 480 Environ Assessment for Contaminated Sites | 3 | Tier I Gen-Ed | 3 |
| | | Tier I Gen-Ed | 3 |
| SEMESTER 5 | 15 | SEMESTER 6 | 16 |
| ECOL 182R Introductory Biology II | 3 | ENVS 305 Pollution Science | 3 |
| ENVS 408 Scientific Writing | 3 | PHYS 102/181 Introductory Physics I & Lab | 4 |
| Tier I Gen-Ed | 3 | Sub-plan class | 3 |
| Subplan class | 3 | Sub-plan class | 3 |
| Subplan class | 3 | Tier II Gen-Ed | 3 |
| SEMESTER 7 | 15 | SEMESTER 8 | 14 - 16 |
| ENVS 425 Environmental Microbiology | 3 | ENVS 462 Environ Soil & Water Chemistry | 3 |
| ENVS 420 Environmental Physics | 3 | ENVS 430R/L Environ Monitoring & Remediation | 4 |
| Tier II Gen-Ed | 3 | Tier II Gen-Ed | 3 |
| Subplan class | 3 | Subplan class | 3 |
| Subplan class | 3 | ENVS 393 Internship | 1-3 |

Career Opportunities for Environmental Science Majors

The knowledge gained of environmental pollution problems, pollution and remediation laws and policies, mathematics, chemistry and biology gained from a degree in environmental science provides a strong career foundation. The society and environment concentration prepares students with the knowledge needed to address fundamental and applied problems related to human inhabited parts of the Earth. Graduates in this concentration may work as researchers, consultants, project managers, communications officers, educators, or environmental activists. This concentration is also excellent preparation for graduate studies in chemistry, geography, or environmental health. Some of the job titles listed below may require an advanced degree.

Potential Career Areas:

Research Consulting Policy analysis and design Regulation and enforcement Conservation/restoration Development Public Relations Activism

Sample Employers:

Government agencies U.S. Geological Survey Nonprofit organizations Public awareness campaigns Research institutes Municipal councils Water treatment facilities Development firms

Sample Job Titles and National Salary Ranges:

| Job Title | Salary Range |
|---|---------------------|
| | |
| Ecologist | \$39,179 - \$62,297 |
| Environmental Activist | \$30,000 - \$40,000 |
| Environmental Chemist | \$41,080 - \$57,190 |
| Environmental Compliance Specialist | \$40,000 - \$70,000 |
| Environmental Educator, Non-school Setting | \$18,000 - \$45,000 |
| Environmental Health and Safety Officer | \$31,610 - \$94,460 |
| Environmental Health Inspector | \$34,000 - \$65,000 |
| Environmental Planner | \$35,610 - \$86,800 |
| Environmental Protection Agency Special Agent | \$27,705 - \$72,391 |
| Environmental Protection Technician | \$26,330 - \$41,240 |
| Hazardous Waste Management Specialist | \$62,278 - \$94,416 |
| Pollution Control Technician | \$21,500 - \$35,800 |
| Public Information Officer | \$30,000 - \$65,000 |
| Research Associate | \$21,000 - \$61,000 |
| Soil/Water Conservationist | \$38,350 - \$61,100 |