



What can I do with a major in Ecology

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The information below describes typical occupations and employers associated with this major.

Understand that some of the options listed below may require additional training.

Moreover, you are not limited to these options alone when choosing a possible career path.

Description of Ecology

The Ecology program is intended for students interested in the environment and combines coursework in Botany, Ecological Census Techniques, Herpetology, Entomology, Toxicology, Parasitology, and Ecology. As an Ecology major you will gain understanding of how natural living systems function, develop and interact with the environment. You will also learn how ecosystems can be managed and conserved. Through your coursework, you gain invaluable experience in experimental design and analysis and become proficient in data analysis. Last but not least, you will have opportunities to present your research at the annual CBU research poster session and at a scientific meeting.

Possible Job Titles of Ecology Graduates (Includes Full-Time, Internships & Co-Ops)

*(*Jobs secured as reported by CBU Career Services post-graduate survey)*

Analytical Chemist	Environmental Specialist	Plant Geneticist
Bacteriologist	Field Study Coordinator	Public Affairs Mngr.
Biochemist	Fish Hatchery Manager	Public Health Specialist
Botanist	Forensic Scientist	Remediation Specialist
Clinical Research Coordinator	Greenways Coordinator	Soil Scientist
Conservation/Environmental Scientist	Hydrogeologist	Storm water Program Manager
Crime Lab Analyst	Lab Tech Assistant	Water Purification Chemist
Ecological Science Writer/Librarian	Nature Preserve Manager	Water Resources Mngr.
Ecologist	Nursery Owner	Watershed Technologist
Ecotourism Coordinator	Oceanographer	Wetlands Scientist
Environmental Educator	Parasitologist	Wildlife Biologist
Environmental Lobbyist	Park Conservationist	Wildlife Manager

Possible Employers and Employment Settings for Ecology Graduates

*(*Jobs secured as reported by CBU Career Services post-graduate survey)*

Agricultural Research Stations	ENSAFE (environmental consulting)	Neural Signals, Inc.
Animal Habitat Research	Environmental Firms/Groups	New England Medical Center
Arbormetrics Solutions	EPA	Ocean Aquariums
Biotechnology firms	Flyaway Farm and Kennels	Princeton Hydro
Botanical Gardens	Forest Management Agencies	Republic Services
Bureau of Land Management	Halliburton	Research Centers
Bureau of Reclamation	ICF International	Shade Tree Commission
Civil & Environmental Consultants	Joseph W Jones Ecological	Soil Conservation Service
Cooperative Extension Services	Memphis Storm Water Management	Tennessee Natural Heritage Program
Department of Environmental Conservation	Memphis Zoo	Tennessee Wildlife Resources Agency
Department of Interior	Merck	U.S. Army Corps of Engineers
Department of Natural Resources	Merieux Laboratories Inc.	Watershed Associations
ECT	Nature Conservancies	Webuild Services
Engineering Firms	Nature Science Centers	World Wildlife Fund

Skill Sets and Interests Associated with Ecology Majors

Proficiency in reading comprehension and research
Skilled at understanding patterns as they develop
Ability to solve problems in a systematic fashion
Investigative, likes to think analytically, ask critical questions
Capable of maintaining objectivity
Imaginative and able to think outside the box

Capable of explaining complex data
Ability to conduct scientific research
Ability to effectively communicate ideas
Awareness of community needs
Propensity to be a leader

Top Career Services Resources for Ecology Majors

Capable of explaining complex data
Ability to conduct scientific research

Career Resources Library (Buckman 207)

Handshake: <http://cbu.joinhandshake.com>

Memphis Business Journal, Book of Lists

Find out what careers you might be a fit for you using:

TypeFocus: www.typefocus.com (Access Code: CBU8998)

CBU Campus Contacts Associated with Ecology

CBU School of Sciences
Cooper Wilson Center, First Floor
(901) 321-3445

Additional Resources/Contacts for Ecology Majors

Botanist

Job board from the Botanical Society of America

<http://www.botany.org/careers/>

Conservationist

Conservation Job Board

<http://wfscjobs.tamu.edu/job-board/>

Job Board from the Society of Conservation Biology

<http://www.conbio.org/professional-development/scb-job-board/>

Ecologist/Wildlife Biology

Job board from the Ecological Society of America

http://www.esa.org/esa/?page_id=1315

Job Board from the Ecological Society of America –

Physiological Ecology Section

<http://biology.duke.edu/jackson/ecophys/positions.html>

Job Board from Texas A&M University

<http://wfscjobs.tamu.edu/job-board/>

Entomologist

Job Board from the Entomological Society of America

<http://www.entsoc.org/listjobs>

Freshwater Science Job Board from the Society of Freshwater Science

<http://www.freshwater-science.org/nabslinks/job-opportunities.aspx>

Herpetology

Job Board from Partners in Amphibian and Reptile Conservation

<http://www.parcplace.org/resources/job-listings.html>

State and Federal Agencies

Job Board for the Federal Government

<https://www.usajobs.gov/>

Tennessee Wildlife Resource Agency

<http://www.tn.gov/twra/employment.html>