Montclair State University
Since its founding in 1908, Montclair State University has had a rich history of innovation, distinction and growth. Montclair State, a vital educational force, is ranked as one of the top universities in the region. Graduates from Montclair State University are well equipped with the skills needed to respond to today's dynamic environment, as well as future challenges and opportunities.

College of Science and Mathematics
The College of Science and Mathematics offers a broad spectrum of discovery-based programs that encompass the natural and physical sciences, mathematics, computer science, information technology and math education. The college’s five disciplinary departments offer 30 different bachelor’s degree programs, 15 master’s and two doctoral programs with emphasis on cross-disciplinary approaches, research and career preparedness for our majors.

Students in the College find a supportive and challenging learning environment designed to stimulate and nurture curiosity, develop and instill strong analytical skills and provide the knowledge and skills for life-long learning. Our research-active faculty members are deeply committed to immersing students in a robust curriculum as well as exciting laboratory-based research experiences and field studies.

It is the reputation of our faculty, the quality of the education they provide, and the forward looking nature of our curriculum that makes a degree from the College of Science and Mathematics so valuable.

Admission and Financial Aid
The deadline for receipt of all application materials for admission with assistantship consideration is March 15. More than 75 percent of full-time PhD students are supported by doctoral assistantships, valued at $18,000 per academic year, plus tuition. The remaining full-time students are funded from a variety of sources, including research assistantships, doctoral teaching assistantships, departmental teaching assistantships, University fellowships, tuition-only/stipend-only scholarships, etc. For all admissions requirements and information about financial aid, visit The Graduate School website, montclair.edu/graduate.

Apply Online
montclair.edu/graduate

For Further Information
Visit the program website: montclair.edu/csam/environmental-management-phd

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Montclair State University
ENVIRONMENTAL MANAGEMENT PhD
Doctor of Philosophy Degree Program

Bridging academia and industry to provide holistic, transdisciplinary training to scholars seeking to understand and protect our environment.

It’s all here. Montclair State University
1 Normal Ave | Montclair, NJ 07043 | montclair.edu
Overview
The only doctoral program in Environmental Management in the greater New Jersey/New York area, this PhD degree is intended for students who have recently graduated from academic institutions with an appropriate master’s or baccalaureate degree, as well as for select early to mid-career professionals who would like to deepen their research credentials and their understanding of environmental systems, thereby improving their qualifications for professional advancement. The program emphasizes investigations of the mechanisms and interconnections found within and among components of environmental systems (atmosphere, hydrosphere, geosphere and biosphere) and with associated human systems (political, legal, social and economic).

Program Highlights
The program offers extensive field and laboratory exposure to students performing cutting-edge research on environmental management issues as well as access to state-of-the-art analytical and imaging instrumentation and computer-assisted technology. Graduates of the program are prepared to enter post-doctoral research in the discipline, assume roles as faculty members in academic institutions, professionals in government agencies, for-profit or nonprofit organizations, private sectors, etc., that deal with environmental, sustainability and restoration issues. Recent graduates of the program are employed in a variety of positions including university professors in the U.S. and abroad, consultants in the environmental industry within and outside New Jersey, and regulators in state and federal agencies in the U.S. and Canada.

Faculty
As of fall 2013, there are 18 core doctoral faculty members in the program representing a wide spectrum of expertise in the broad area of environmental management, including but not limited to: Geology, Environmental Science, Policy Studies, Environmental Engineering, Marketing, Ecology, Microbiology, Chemistry, Epidemiology and Environmental Economics. Numerous other faculty members, adjunct researchers and industry affiliates associated with the program serve as members of doctoral dissertation committees.

Research
Research in the PhD program can be broadly classified into the following clusters:

- **Cluster 1** Environmental Quality and Remediation
- **Cluster 2** Environmental and Urban Ecology
- **Cluster 3** Earth Systems and Climate Change
- **Cluster 4** Environmental Modeling and Visualization
- **Cluster 5** Geodynamics
- **Cluster 6** Environmental Policy, Social and Management Impacts

Doctoral Student Research and Achievements
Students in this program actively publish their research. Topics of recent dissertations include:

- Corporate Social Responsibility and the Gold Mining Industry in Ghana
- Municipal solid waste management in New Jersey
- Green remediation of veterinary antibiotics in soil-water systems
- Community perceptions on brownfield redevelopment
- Hydrological modeling in Southern San Joaquin Valley, California
- Management of occupational wastes in automobile mechanic villages in the Imo river basin of Nigeria

Between 2007 and 2013, doctoral students in environmental management have published more than 10 book chapters, more than 60 journal articles, and a combination of more than 140 technical abstracts and conference proceedings. They presented their research in various international, national, regional and local conferences. Many students have been successful in receiving student research awards, grants and scholarships from various funding agencies (e.g., Geological Society of America, New Jersey Water Resources Research Institute) and many received oral and poster presentation awards in regional, national and international conferences (e.g., International Medical Geology Association, Hudson-Delaware Chapter of the Society of Environmental Toxicology and Chemistry).