



**MONTCLAIR
STATE
UNIVERSITY**

College of Science & Mathematics
Montclair State University
Montclair, New Jersey 07043
www.csam.montclair.edu

Montclair State University



Montclair State is New Jersey's second largest and fastest growing university, offering the advantages of a large university — a broad undergraduate curriculum with a global focus, a wide variety of superior graduate

programs, and a diverse faculty and student body — combined with a small college's attention to students.

GRADUATE PROGRAMS

Doctorate in Environmental Management
Master of Science in Biology
Master of Science in Geoscience
Master of Arts in Environmental Studies (with concentrations in Environmental Science, Environmental Health, Environmental Management, and Environmental Education)
Graduate Certificate in Water Resource Management
Coming soon: Combined BS/MS in Aquatic and Coastal Sciences

UNDERGRADUATE PROGRAMS

Biology with Environmental Science Concentration
Geoscience with Environmental Science Concentration
Geography with Environmental Studies Concentration

RESEARCH OR SPECIAL PROGRAMS BEING CONDUCTED OR OFFERED BY INSTITUTION

Research Highlights

Ice-sheet-ocean interactions in the Antarctic (NSF funded)
Benthic biodiversity of impacted area in the Bronx River Estuary (NOAA funded via the Gaia Institute)
Heavy metal and organic pollution in Passaic River sediments (USEPA & NJ Sea Grant funded)

Submerged aquatic vegetation communities in Barnegat Bay (NJDEP & NJ Sea Grant funded)
Vegetation monitoring by remote sensing using Advanced Very High Resolution Radiometer data (NASA funded)

PASSAIC RIVER INSTITUTE

The Passaic River Institute at Montclair State University represents faculty, research associates, visiting colleagues, students, programs, and facilities dedicated to a coordinated approach to examining the various environmental issues associated with the Passaic River watershed and estuary. Industrial development of the last century, so critical to the economic growth of northern New Jersey, led to serious ecosystem challenges for the river that must now be carefully examined and, in many cases, remedied through a strong interdisciplinary approach. The Montclair State University campus is near the geographic center of the watershed and is thus ideally situated to serve as the focus for environmental research and educational efforts pertaining to the river. Part of the mission of the PRI is to provide a neutral forum for the discussion of controversial environmental questions concerning the Passaic, bringing academic researchers from MSU and other institutions together with government regulators, industry representatives and concerned community groups. The PRI exists also to facilitate significant research to help understand and rectify the plight of this historic river and estuary. For more information please visit www.csam.montclair.edu/pri.

