From the mountains to the sea, our scientists apply natural science to solve environmental problems.

From the mountains to the sea — a year in science

With locations strategically placed between the mountains and the sea, our research laboratories provide scientists direct access to Maryland’s diverse natural ecosystems, allowing us to be a leader in the science of coastal environments and their habitats. From the headquarters of the Chesapeake Bay Program in Annapolis to the Appalachian Mountains to the Atlantic Coast and beyond, our scientists are working to understand, predict, mitigate, and adapt to global changes.

For more information:
http://www.umiacs.umd.edu/research/center-environmental-science
One of the world’s premier research centers, the University of Maryland Center for Environmental Science strives to advance knowledge of the environment and develop ways to guide our natural and natural worlds toward a more sustainable future.

Graduate Education

Leaders in science are needed as the nation and world face new challenges to sustain our natural environments and ecosystems. As one of the nation’s premier research universities, the University of Maryland Center for Environmental Science provides graduate education in marine and estuarine science.

In 2012-2013, students from 15 states and 12 foreign countries focused on ecosystem science, the world’s premier research centers for marine and estuarine studies.

Joint degrees are also available.

As one of the early innovators in the nation with a unique focus on ecosystem science, the Center trains and produces the next generation of marine and estuarine scientists who will be needed to advance knowledge of the environment.

Chesapeake Biological Laboratory (CBL) in Solomons, Maryland, is particularly noted for its educational programs in marine and estuarine science.

Every year, nearly 150 college students from many states and nations now come to CBL to work with the finest scientists of the world, learning the skills of research from those who work at the leading edge of environmental science.

Our students explore the effects of climate change on submerged plants in the upper Bay, the biodiversity of the bay floor, and the ecosystem's role in nitrogen cycling.

Long a partner in providing hands-on training and education, the Center annually hosts graduate degree programs, depending on Maryland public universities.

Beginning in 2014, students may apply to the University of Maryland’s Graduate School to enter the new joint Ph.D. program.

FACULTY

In 2012-2013, the center’s faculty included:

- Dr. Patrick K. Koehn
- Associate Professor in Marine Science
- Director
- Beryl W. Nance
- Cooperative Institute of Marine and Atmospheric Science (CIMAS)

- Dr. Robert A. Ross
- Assistant Professor in Marine Science
- Research Earth System Scientist

- Dr. Robert J. Nichols
- Associate Professor in Marine Science
- Research Earth System Scientist

- Dr. Michael A. Long
- Assistant Professor in Marine Science
- Research Earth System Scientist

- Dr. John D. Lamb
- Associate Professor in Marine Science
- Research Earth System Scientist

- Dr. Michael J. Southwick
- Assistant Professor in Marine Science
- Research Earth System Scientist

- Dr. Thomas J. Miller
- Research Scientist in Marine Science

- Dr. Elizabeth North
- Professor in Marine Science
- Chair of the Marine Science Department

- Dr. Nathan H. Pickett
- Assistant Professor in Marine Science
- Research Earth System Scientist

- Dr. John T. Perry
- Associate Professor in Marine Science
- Research Earth System Scientist

- Dr. Kristina R. Riede
- Assistant Professor in Marine Science
- Research Earth System Scientist

- Dr. Brian C. Safi
- Assistant Professor in Marine Science
- Research Earth System Scientist

- Dr. Tim A. Strong
- Associate Professor in Marine Science
- Research Earth System Scientist

- Dr. Zachary W. Zajac
- Associate Professor in Marine Science
- Research Earth System Scientist

FACULTY AWARD

In 2012-2013, the center’s faculty included:

- Dr. Christian O. Monk II
- Professor in Marine Science
- Chair of the Marine Science Department

- Dr. David A. Nemazie
- Professor in Marine Science
- Chair of the Department of Environmental Science

- Dr. Fredrika Moser
- Assistant Professor in Marine Science
- Director of the Chesapeake Biological Laboratory

- Dr. Karl H. Meyer
- Assistant Professor in Marine Science
- Research Earth System Scientist

- Dr. Jenifer Hill
- Assistant Professor in Marine Science
- Research Earth System Scientist

- Dr. Christine Koehn
- Assistant Professor in Marine Science
- Research Earth System Scientist

- Dr. David A. Nemazie
- Assistant Professor in Marine Science
- Research Earth System Scientist

- Dr. John T. Miller
- Assistant Professor in Marine Science
- Research Earth System Scientist

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Biological Link Lesson International

Sea to Land at Maryland's Ocean Echo...