The Department has two advanced research laboratories which support multiple methodologies including: recombinant DNA technology, cell hybridization, electrophoresis, fluorescence microscopy and immunochemistry. A common instrumentation room services both Chemistry and Earth and Environmental Studies for infrared spectrophotometry, ICP spectrophotometry, gas chromatography and other high tech data analyses. One large combination teaching laboratory and lecture room accommodates the needs of General Physics and Earth Science. An attached microscopy room and darkroom are available for general use.
WEEK 1 (AUGUST 5 - 9):
Have the opportunity to work with Biology, Chemistry and Environmental Studies faculty in performing two university level laboratory experiments each day.

Within the context of a liberal arts education, the Biology, Chemistry and Environmental Studies Department’s curriculum emphasizes the study of the fundamental laws and theories of science and the importance of scientific inquiry as a means of generating new concepts into general realities.

WEEK 2 (AUGUST 12 - 16):
Have the opportunity to participate in daily research at the Center for Estuarine, Environmental and Coastal Oceans Monitoring (CEECOM) in West Sayville, NY

This science center is located right in the backyard of the Great South Bay, providing a unique opportunity for coastal research. The 10,000 square foot Center includes a salt water well, which is essential to the research being conducted. Research is designed to prepare the earth, environmental and marine scientist to manage the concerns unique to coastal and nearshore ocean ecosystems.

Students conducting research at the Center will be monitoring Fire Island’s seashore and handling a host of environmental issues that are at the forefront of Long Island concerns including hurricane protection, drinking water contamination, air pollution and health, urban sprawl and transportation issues, to name a few top priority issues.