

## CONTACT INFORMATION

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Applications can be downloaded from  
**[www.clarion.edu/summeracademy](http://www.clarion.edu/summeracademy)**



**Summer Academy Sponsor:**

**Pennsylvania General Energy Co., LLC  
Warren, Pa.**

**Producing Energy We Need.  
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It is the policy of Clarion University of Pennsylvania that there shall be equal opportunity in all of its educational programs, services, and benefits, and there shall be no discrimination with regard to a student's or prospective student's race, color, religion, sex, national origin, disability, age, sexual orientation/affection, veteran status or other classifications that are protected under local, state, and federal laws. Direct equal opportunity inquiries to Assistant to the President for Social Equity, Clarion University of Pennsylvania, 207 Carrier Administration Building, Clarion, PA 16214-1232, 814-393-2109.

# summer academy 2012

**Water Resources and Environmental Sustainability**



**July 22-28, 2012**

# Water Resources and Environmental Sustainability



“This is an exciting and unique opportunity to use hands-on, field-based approaches to learn about the aquatic life and health of our streams and rivers.”

*Dr. Steve Harris*

Because of society’s critical need for a reliable supply of clean water, wise management of water resources is important to sustainable economic growth and maintaining a healthy environment. Advances in instrumentation, data analysis and field methods provide freshwater scientists with a powerful array of tools with which to assess and restore water quality. Professional aquatic scientists, trained in modern methods, are in demand by industry and government. In this camp, students will learn how to use tools of aquatic ecology to assess water quality. They will also learn about causes of water quality impairment and current research into modern methods of treating common sources of water pollution and restoring degraded watersheds.

Students will assess the chemical and biological integrity of local streams by evaluating water quality and detecting sources of impairment. The class will involve extensive field work, and students will play an active role in designing research projects and shaping data analysis. Students will also have an opportunity to interact with professionals employed in the water management field in order to learn more about professional opportunities in the aquatic sciences. Students will present the results of their projects in a symposium at the conclusion of the week. Activities will be carried out in the laboratories of the new Grunenwald Science and Technology Center as well as the many excellent local field sites.



## about THE Program



### FACILITY

State-of-the-art labs in the new Grunenwald Science and Technology Center.

### FACULTY

**Dr. Steve Harris**  
Dept. of Biology

**Dr. Andrew Turner,**  
Dept. of Biology

### FEES

Camp registration fee is \$100 for each student. Room, board, and instructional supplies are covered by a grant from the Pennsylvania General Energy company.

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Application Deadline is May 28.**

