



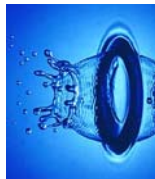
*Delaware  
Water  
Resources  
Center  
(DWRC)  
interns*

experience a complete research or education project. Students, in cooperation with faculty advisors, identify a topic of interest, develop the approach to accomplish their objectives, conduct the project, analyze the results, and share their findings and accomplishments with the academic and water resource communities. DWRC merit-based grants pay students to apply classroom education in "hands on" projects addressing contemporary regional water quality concerns. Water Resources interns embark on a program of self-discovery permitting informed choices about future undergraduate research, graduate education opportunities, and careers in water science, policy, and management.



Delaware Water Resources Center  
University of Delaware  
113 Townsend Hall  
Newark DE 19716-2103

[ag.udel.edu/dwrc/](http://ag.udel.edu/dwrc/)



**DWRC**

**Delaware Water  
Resources Center**

*At the University of Delaware*

*Undergraduate  
Internships  
In  
Water  
Resources  
2005 – 2006*



**Delaware Water Resources Center (DWRC) Undergraduate Internships in Water Resources** provide a unique opportunity for undergraduate students and faculty to become directly involved in research and education programs that address water resource related issues of critical importance to Delaware and the Mid-Atlantic region.

**Eligibility:** All undergraduate students enrolled at any institution of higher learning in the state of Delaware may apply, except for those graduating in the Spring of 2005. All students must have the active support of a faculty advisor and a minimum GPA of 3.0.

**Program Details and Deadlines:** The **DWRC** provides a \$3500 stipend to support each undergraduate internship. Students typically work ten weeks full-time during the summer and additional hours during the fall and winter as the individual project demands. Academic credit for the internship is also possible but must be coordinated with the student's faculty advisor. Interns must submit a written report on their project and participate in a poster session at an undergraduate research conference in the spring of 2006. **The application deadline for DWRC internships is March 25, 2005.** For details on past projects, current faculty advisors, application materials to submit, and requirements for reports and posters, visit the **DWRC** website:

<http://ag.udel.edu/dwrc/>

Students are encouraged to contact Amy Boyd ([abovyd@udel.edu](mailto:abovyd@udel.edu), 302-738-6779) at the **DWRC** to express interest and to receive assistance identifying a project and advisor.

**All DWRC interns** must develop and conduct a project consistent with the **DWRC's** overall research and educational interests (listed at the right) under the advisement of an advisor from one of the following **co-sponsor academic and government organizations:**

**Delaware Geological Survey** (<http://www.udel.edu/dgs/>) offers a co-sponsored internship specifically focusing on hydrogeology. Students can develop an internship project with researchers working on topics such as ground water supply and water quality.

**Delaware Department of Natural Resources and Environmental Control** (<http://www.dnrec.state.de.us/>) offers a co-sponsored internship in soil and water conservation.

**University of Delaware (UD) Water Resources Agency** (<http://www.wr.udel.edu/>) offers a co-sponsored internship specifically focusing on *water resource policy*.

**UD College of Agriculture and Natural Resources:** (<http://ag.udel.edu/>). A total of three internships are offered. Two projects co-sponsored with the **DWRC** are available in the departments of *Animal and Food Sciences, Entomology and Applied Ecology, Bioresources Engineering, Food and Resource Economics, or Plant and Soil Sciences*. The department of *Plant and Soil Sciences* offers an additional **DWRC** project in *nutrient management and water quality*.

**UD College of Arts and Science:** (<http://www.udel.edu/AS/>). Students can develop internship projects in chemistry, economics, geography, geology, political science, or other subjects closely related to water resources.

**UD College of Engineering:** (<http://www.udel.edu/engg/>). Students can develop an internship project in areas such as *Chemical Engineering, Civil and Environmental Engineering, or Mechanical Engineering*.

**UD College of Marine Studies:** (<http://www.ocean.udel.edu/>). Students can develop an internship project in areas such as *Marine Biology and Biochemistry, Marine Policy, Oceanography, or Physical Ocean Science & Engineering*.

**Topics in water resources research and education** of interest to the **DWRC** include:

- Nutrient management and water quality
- Pollutant sources, fate, cycling, and transport
- Water supply, demand, and conservation
- Management and control of storm water runoff
- Groundwater identification and protection
- Treatment and re-use of wastewaters
- Protection and restoration of wetlands
- Water resources topics in marine studies
- Water resources policy issues
- Water resources in consumer affairs
- Water resource management and public health

**Select your topic:** **DWRC** internships are for students from a wide variety of backgrounds and research interests. Visit <http://ag.udel.edu/dwrc/> "Internships" for **sample past project topics** such as:

*The Link Between Land Use and Stream Health (Institute for Public Administration, Water Resources Agency); Implementation of Riparian Buffers (Political Science); Chemistry of Phosphorus in the Erodible Fraction of Delaware Soils (Agriculture & Natural Resources); Factors Affecting West Nile Virus Transmission from Storm Water Retention Ponds and Constructed Wetlands (Agriculture & Natural Resources); Consumer Attitudes Toward Bottled Water (Consumer Studies); A Nutrient Management Education Program for Delaware Youth (UD Cooperative Extension); Characterization of Viral Communities in Estuaries (Marine Studies); Accelerated Pollutant Biodegradation (Civil & Environmental Engineering); Regulating Wetlands in a Changing Legal Environment (Food & Resource Economics)*

Faculty contacts and their research interests are also listed under "Courses and Faculty". Call the **DWRC** (302-831-6757) to discuss water-related topics not found on the web site. Contact faculty, agree to collaborate, and choose your project topic. Faculty may not advise more than two interns concurrently and must provide matching funds consistent with **DWRC** guidelines, usually by committing a percentage of their time to the intern's project.