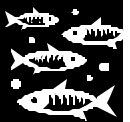




THE DUTCHESS ACADEMY OF ENVIRONMENTAL STUDIES



Here's a short quiz... Are you a high school student? Do you enjoy the outdoors? Are you interested in a career in environmental science, ecology, or natural resources conservation? *If you answered YES to these questions, then the Dutchess Academy of Environmental Studies may be for you.*

What is the Academy?

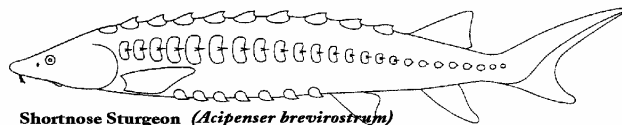
Dutchess County BOCES and Dutchess Community College have collaborated to form a different type of educational experience. DAES is a one year full day, high school to college to workplace bridge program to prepare high school seniors for education and careers in ecology and the natural sciences.

You will spend your senior year at Norrie Point completing the environmental curriculum with integrated Social Studies, English and Physical Education. We will be in the 1000 acre Mills-Norrie State Park in Staatsburg, at DCC, or aboard our 43' floating classroom, the *R/V Estuary Steward*. Each Wednesday is designed to be a full day field trip. *We believe that learning about the environment must take place in the environment.*

Students successfully completing the program can obtain a New York State Regent's diploma with a pending CTE Endorsement in addition to 12 credits from DCC which can be applied towards college degrees at DCC or other colleges. *All with no tuition cost to the students!*

The program was designed for students with a specific and intense interest in environmental science to allow them to earn college credit while completing high school.

What are the requirements?



Shortnose Sturgeon (*Acipenser brevirostrum*)

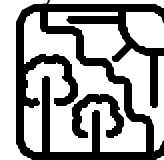
- Regent's Biology (Living Environment) and Chemistry, Health, Math Course A,
- recommendations from a counselor and science teacher,
- and a 300 word essay identifying their purpose and aspirations in the environmental field.

What are the benefits to students?

We blend theory knowledge and practical skills in



the classroom, lab, and the field. Students will collect and analyze aquatic and terrestrial field data and work closely with the GLOBE Program to be used by schools and scientists around the world. We emphasize *authentic science* throughout the program culminating in a final class project designed, implemented, and published by the students. We don't just read about science, we *do* science.



Small class size and unique curricula create a private school education at public school prices.

DAES Students work with environmental professionals to support their career explorations and build resume skills and abilities. Students have done internships with the National Park Service, NYS DEC, US Fish & Wildlife Service, the Hudson River Pilots, IES, Dolphins Plus, US Coast Guard, Clearwater, fish hatcheries, greenhouses, nature centers, and research scientists. Students have had opportunities to swim with dolphins, take the helm of an icebreaker, lead environmental education programs, work with endangered species, and try SCUBA diving.

Through the Academy's participation in the GLOBE Program, students are featured in the Protocol Demonstration Videos and have presented research at the United Nations and the World Space Congress in Houston, Texas. The Class of 2003 won a national research competition and represented the US at the GLOBE Learning Expedition in Sibenek, Croatia with all expenses paid. We are also the only high school program in the world that certifies students as GLOBE Pre-service Teachers.

Academy graduates are accepted into their first choice schools. These include top environmental programs like SUNY Environmental Science & Forestry, Paul Smiths, and Cornell. DAES graduates will also be qualified on the basis of demonstrated skills and knowledge to enter a variety of entry-level environmental jobs.



Attention aspiring environmental professionals! The Dutchess Academy of Environmental Studies can help get you where you want to go!

UNITS OF STUDY

Plant Science & Dendrology
Mapping and Navigation
SCI 100: Seminar in Science*
ECO 121: Environmental Economics*
Wildlife Biology
Introduction to Occupations
BIO 107: Basic Ecology*
The GLOBE Program (www.globe.gov)
Aquatic Ecology
Fish Management and Aquaculture
BIO 225: Environmental Measurements*
Geographic Information Systems
Natural Resource Management
Land Use Planning
Student-Designed Field Research Project
Wetland Ecology and Management

* = *Dutchess Community College* courses

The program includes one credit each of MST, integrated English and Social Studies and 1/2 credit of Physical Education, and AP grade-weighted science.

If you have your heart set on working in the ecology field, then the Academy of Environmental Studies can provide a head start to your career.

For more information and applications:

See your Guidance Counselor or call
CTI-The Career and Technical Institute
845.486.8001
DCC-Norrie Point Environmental Site
845.889.4737
Email: mshron@cti.dcbores.org
www.dcbores.org/CTI/environmental



The DCC-NORRIE POINT ENVIRONMENTAL SITE, located within the 1000-acre Mills-Norrie State Park and alongside the Hudson River, is home to the Norrie Point Aquarium and the Hudson Valley Natural History Museum. It provides excellent opportunities to study wetlands, aquatic, estuarine and terrestrial ecosystems in-depth.

Dutchess Community College uses this site for natural sciences instruction and research. Studies and education are done in conjunction with state and federal agencies as well as other schools and private agencies to further knowledge of Hudson Valley ecology.

The Dutchess Academy of Environmental Studies



A career education experience for high school seniors seeking environmental science careers

Sponsored by:

Dutchess County BOCES Career & Technical Institute,
SUNY—Dutchess Community College,
Taconic Region-New York State Office of Parks, Recreation,
and Historic Preservation
and the
Hudson River Pilot's Association