

Application Deadline: Friday, April 16, 2010

Late or incomplete applications may not be considered.

See your school counselor or download an application at

<http://www.catawbaschools.net/departments/curriculum/cte/default.aspx>

M. L. Butler Science, Energy, Engineering, Environmental, and Computer Careers

SUMMER INTERNSHIP PROGRAM

For Rising 11th and 12th Grade Students

70 hours = 1/2 credit

Seminar Week—June 14-18, 2010

plus 2-3 Days of field work to be completed by July 23, 2010

Program Coordinator—Traci Lytle

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Teach Learn Lead



Space is limited. Apply Now!

Important Dates!

Thursday, May 18, 2010, 6:00 pm..... Orientation meeting for selected applicants and at least one parent/guardian

Monday-Friday, June 14-18, 2010..... Seminar Week

The **Science, Energy, Engineering, Environmental and Computer Careers Summer Internship Program** is sponsored by **DUKE ENERGY CORPORATION** in the areas below.

The seminar hours will be spent at Duke Energy facilities and include classroom activities, seminars with a variety of Duke Energy engineers and biologists, and tours of various Duke Energy facilities such as Cowan's Ford Dam, Marshall Steam Station, Lincoln Combustion-Turbine Station, and the McGuire Nuclear Energy Explorium.

In order to gain the most benefit from this internship, you should have interest in science, math, physics, computers, and/or an area of engineering listed below. The experience you will gain in these areas will allow you to make a more informed decision about your future career pursuits.

(Field work in these areas depends on the availability of Duke Energy personnel).

SCIENCE	Students interested in pursuing careers in a physical or chemical science program are encouraged to participate. Some examples are: Computer Science, Electronic, Mechanical, and Chemistry careers.
ENERGY	Students interested in pursuing a career in an energy-related field are encouraged to participate. Some examples are: Natural Gas Exploration and/or Natural Gas Production facilities, New and Renewable Energy Resources for Electricity Production Facilities, Development of Alternative Energy production methods for future energy needs.
ENGINEERING	Students interested in exposure to a variety of engineering careers are encouraged to participate. Some examples are: Electrical, Mechanical, Civil, Nuclear, Chemical, Computer, and Industrial Engineering careers.
ENVIRONMENT	Students interested in pursuing a career in an environmental related area are encouraged to participate. Some examples are: Environmental Sampling and Aquatic Studies, Environmental Permitting, Environmental Coordinators for the Energy Production Stations, Environmental Monitoring and Regulations Careers.
COMPUTER	Students interested in pursuing a career in a computer-related area are encouraged to participate. Some areas are how computers are used in an industrial setting, assist in daily operations of the plant, and how data is collected and analyzed through the use of a computerized networking system.