

Students as Professionals Helping Educators Research the Earth

a new program to encourage and inspire the next generation of
earth explorers

<http://sphere.pcs.cnu.edu/>

CHRISTOPHER
NEWPORT
UNIVERSITY

NORFOLK
STATE
UNIVERSITY

NASA LARC



Join other science majors in an exciting, unique 6 week summer research experience

SPHERE has been designed to give undergraduate science majors a rich educational and research experience in NASA Earth System Science - with a special emphasis on studying climatic factors that affect the earth's environment. Remote-sensing data from NASA satellites are being used to study long-term effects of clouds and aerosols on earth's climate. Students in this program will have the opportunity to work with University mentors from CNU and NSU as well as with NASA scientists. In addition, students will spend one week working with secondary educators and learn scientific data collection protocols from the GLOBE Program - an international science & education program. Students will have an opportunity to choose from a variety of projects that will be tailored to best fit program needs and individual strengths.

Program eligibility:

- Enrolled in an accredited US college or university
- At least one year of college science and one year of college mathematics (calculus preferred)
- Fluency in information technology

This program is also designed to encourage the participation of groups traditionally underrepresented in earth sciences.

Program Support:

A generous stipend will be paid to all participants. Meals & lodging will be provided at Christopher Newport University. Travel assistance is available for qualifying candidates. The overall package is over \$3000 (for 6 week program).

Contact: Dr. S. Raj Chaudhury, schaudhury@cnu.edu, SPHERE Project Director, Christopher Newport University, 1 University Circle, Newport News, VA 23606. Phone: (757) 594-7065, Fax: (757) 594-7919.

SPHERE is funded by a grant from NASA.

Program dates: June 5 - July 14, 2006

Application deadline: April 15, 2006

To apply:

1. Cover Letter which contains
 - Name, University, major, summer address, e-mail, phone
 - Indicate whether U.S. citizen or Permanent Resident
2. Current transcript
 - official transcript needed if accepted
3. Letters of recommendation (2)
 - From professors and/or work supervisors
4. 500 word essay on why the study of earth system science is important to you.