

Program to Increase the Pursuit of Education and Learning IN Engineering and Science

PIPELINES

*PIPELINES is a partnership between Southern University and A&M College and Iowa State University
It is funded by the Earth Science Enterprise of the National Aeronautics and Space Administration (NASA)*



PIPELINES is a partnership between Southern University and A&M College in Baton Rouge (SUBR), Iowa State University (ISU), and a host of public and private stakeholders. The activities of PIPELINES include curriculum support, teacher and faculty in-service and support, K-12 counselors and parental information dissemination and support, and student support and Earth Science research (at the pre-college, undergraduate, and graduate levels).

SOME MAJOR COMPONENTS OF PIPELINES

- **Reform Workshops** - These educational extension activities for the K-12 community consist of in-service workshops designed to enhance the teaching and learning processes and the integration of Earth/Environmental Science materials and processes into reformed, best practices.
- **Global Learning and Observation to Benefit the Environment (GLOBE)** - The GLOBE training is a five day, intensive, hands-on environmental science and education program. GLOBE unites students, teachers, and scientists from around the world in studying the global environment. The Southern University GLOBE training offers Louisiana educators the opportunity to earn three (3) graduate credit hours through the Classroom Teacher Enrollment Program (CTEP). Participants receive other significant forms of support (materials, supplies, and stipends for weekend/holiday sessions). Learn more about the GLOBE program by visiting its web site (<http://www.globe.gov>).
- **Undergraduate Summer Research Support**
This program is aimed at supporting (finances, and involvement in research) twenty (20) high achieving undergraduate science, engineering, and other majors. Preference is naturally given to Earth/Environmental Science research projects conducted (a) at NASA field centers, (b) Iowa State University, (c) at other approved *summer* sites, and (d) at SUBR (during the academic year).
- **Earth Science at the Timbuktu Academy (ESTA)** - ESTA is a six-week, residential, intensive, academic enrichment program designed to enhance the academic achievements (i.e., ACT/SAT) of pre-college students and to expose them to Earth/Environmental Science research and career opportunities. College matriculation in Earth Science related fields is a major objective of ESTA.

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For application forms or additional information, please visit our web site. <http://www.phys.subr.edu/pipelines.htm>