



MISSOURI  
**S&T**

# CENTER FOR TRANSPORTATION INFRASTRUCTURE AND SAFETY

## **STUDENT DIVERSITY PROGRAMS - Sponsored items and events for 2013-2014**

by

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**NUTC  
ETT325**

**A National University Transportation Center  
at Missouri University of Science and Technology**

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## **STUDENT DIVERSITY PROGRAMS**

**Sponsored items and events for 2013-2014**

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### **SHPE Regional Leadership Conference March 7-9, 2013; University of Dayton, Dayton,**

#### **Ohio**

SHPE stages regional leadership development conferences on a yearly basis for the leadership of the SHPE student chapters to improve their organizational, managerial, and technical skills. They take place in all of the seven SHPE regions. This program helps college students develop and improve their pre-college outreach programs and improve the infrastructure of SHPE student chapters. Student leaders learn how to interact and network with SHPE's corporate supporters.

**5 ATTENDEES**

### **NSBE National Convention 03/27-03/31, 2013 Indianapolis, Indiana**

The convention will be held in Indianapolis, Indiana, just 45 minutes from Purdue University, where we were founded in 1975. NSBE week will conclude on **March 27 – 31, 2013** where nearly 10,000 students and professionals will converge on the Indiana Convention Center and surrounding venues.

NSBE's Annual Convention returns to the city of Indianapolis after much success at the 2001 Annual Convention, where more than 9,000 students, alumni, and professional members were in attendance and more than 300 companies participated in our career fair, competing for the best engineering talent in the black community. During the 2001 Annual Convention, Indianapolis's own **Vivica A. Fox** hosted our Golden Torch Awards (GTA) along with plenary speakers: **Tavis Smiley, Tony Brown, Kweisi Mfume** and many others.

The Annual Convention annually recognizes excellence among technical professionals, corporate, government, and academic leaders, as well as university and pre-college students. We highlight the possibilities that can be cultivated through support and responsibility. The proceeds of convention are used to create college scholarships for gifted high school students.

**12 ATTENDEES**

**Minority Intro to Technology & Engineering (MITE) June 2-7 & June 16-21, 2013**

MITE is an on-campus week long summer program for traditionally under-represented minority students. Campers will participate in one- to two-hour sessions covering the work performed in the different fields of engineering. They include both experimental and applied work. In addition, orientation sessions will be held to discuss admission requirements and procedures; how and when to apply for scholarships and other forms of financial aid; student government and social organizations, and other campus resources

**42 ATTENDEES**

**Scholarships~~~ July 7<sup>th</sup> through 26<sup>th</sup> 2013 (40 scholarships)**

**Hit the Ground Running (HGR) Summer Enrichment Program for incoming freshman**

The objectives of the pre-engineering summer program are:

1. To bolster and strengthen the pre-college preparation in mathematics, science, and English composition of minority students who have potential for engineering careers and to encourage them to enter such careers.
2. To provide opportunities for program participants to learn more about the career opportunities in engineering and science and technology.
3. To help make an adjustment to the rural and university environment.
4. To assist selected students through the baccalaureate degree with tutorial, scholarship, employment opportunities, and counseling help as needed.

This program is for all the Student Diversity Program (SDP) scholarship recipients. For three weeks, each year the SDP scholars take classes in Mathematics (at the appropriately determined level), English and chemistry. The benefits are tremendous, not only do the students have an academic head start when the fall semester begins, but they also become a team. Rigorous study prepares them for a demanding engineering curriculum, and they experience life in a dorm away from friends and family. Along with academics, scholars learn about career opportunities that await them once they earn their degree. Special seminars are hosted by industry representatives and engineering department chairs that focus on career and educational opportunities for minority students. The proven track record of this program on the Missouri S&T campus has sparked a similar program for minority freshman engineering students. Students are surveyed at the end of the program with regards to how their degree could contribute to transportation sustainability and future developments.

### **Fall Si Se Puede: November 15-18, 2013**

Society of Professional Hispanic Professionals annually coordinates ¡Sí Se Puede! This helps students to explore the career options Missouri S&T has to offer and gives them an inside look at real college life. It is an on-campus visit program for Hispanic and Latino students to explore a future career in math and science. During their time at Missouri S&T the students will interact with members of the SHPE and NSBE chapters. Participants will also meet faculty and staff that volunteer their time to teach students about degree programs, career options, co-ops and internships, answer all their questions and more.

**20 ATTENDEES**

### **Spring Pre-College Initiative held February 20-23, 2014**

The National Society of Black Engineers (NSBE) is the largest student-run, non-profit organization in the country. Its objective is to promote the recruitment, retention, and successful graduation of African-Americans in engineering, science and technology. NSBE serves as a vehicle to promote unity through programs that encourage academic excellence, perennial growth, and professional development. One of the objectives of the Missouri S&T-NSBE chapter is to encourage high school students to pursue careers in engineering, science, and technology and to consider Missouri S&T as a choice for their college home. During this on-campus visit program students will participate in a series of workshops, hands-on activities, an admissions seminar, and a civil engineering design project.

**31 ATTENDEES**