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College of Engineering

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Roy G. Perry COLLEGE OF ENGINEERING OUTREACH PROGRAMS

There's An Engineer in You!

"People who enjoy engineering and are successful in it tend to share common traits. The dominant engineering aptitude is structural visualization - the ability to visualize 3D objects in your mind. Analytical reasoning, mathematical ability, and to a lesser extent, memory for design are the other aptitudes that correlate with satisfaction and success in engineering, " according to JETS. 12-2004 publication. [Learn More...](#)

EEWT- Engineering Education Workshop for Teachers

- [Student Resources](#)
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This is a five days workshop for math/science teachers. Math/Science Teachers admitted to the workshop will enhance their understanding of the engineering education and profession. Majoring in engineering, methods of advising students in careers and new development in counseling will help the math/science teachers to advise students interested in the engineering careers. This Workshop provides an opportunity for exchange of information and ideas among high school math and Science teachers. It will provide the teachers the knowledge of using Matlab software with engineering Application, the engineering profession, applications of Algebra, Geometry, and Calculus in engineering, and using technology to engage students. Upon completion of the workshop, the teachers will have the skills to motivate and explain to students who are interested in pursuing degrees in college, the need for strong math, science and problem solving skills.

[Application Form](#) [Brochure](#)

Application Deadline: July 30, 2009. Program Dates: Aug 3 THRU AUG 7, 2009

EEWC- Engineering Education Workshop for Counselors

This is a three days workshop for high school counselors. Counselors admitted to the workshop will enhance their understanding of the engineering education and profession. Majoring in engineering, methods of advising students in careers and new development in counseling will help the counselors to advise students interested in the engineering careers. This Workshop provides an opportunity for exchange of information and ideas among high school counselors. It will provide the counselors the knowledge of engineering profession, engineering education for the 21st century, majoring in engineering, methods of advising at risk students, methods of advising students in careers, and new development in counseling. Upon completion of the workshop, the counselors will have the skills to motivate and explain to students who are interested in pursuing engineering degrees, in college, the need for strong math, science and problem solving skills.

[Application Form](#) [Brochure](#)

Application Deadline: July 30, 2009. Program Dates: Aug 3 THRU AUG 7, 2009

CE²I- Roy G. Perry College of Engineering Enhancement Institute



The Roy G. Perry College of Engineering Enhancement Institute (CE²I) is an innovative and intensive summer bridge-to-college program designed to prepare students for the rigors of an



Engineering, Computer Science, or Technology Curriculum and to aid with the transition between high school and college. The Institute is a five-week residential program, where participants will complete coursework in Math, Science, Technology, and Professional Development Activities. The Institute is math intensive.

A math assessment test will be administered initially to determine the appropriate math placement. The program goal is to achieve a mastery of one math level higher than the student placed when he/she entered the program. The program will also introduce students to basic concepts in chemistry, physics, and computing. Students will experience professional development activities including field trips to area engineering and technology industries; personal and professional development seminars and workshops (i.e. time management, study skills, learning style inventories, effective use of study groups and seven (7) habits of successful people).

Application Deadline (Extended): May 31, 2009. Program Dates: Jul 5 THRU AUG 7, 2009

[Dean's Welcome Letter](#) [Program Brochure](#) [Program Application](#)
[Mentor Application](#) [Demographic Information Survey](#)

STI- Summer Transportation Institute



Funded by the US Department of Transportation, the Summer Transportation Institute (STI) is a four-week-on-campus session. Sponsored by Prairie View A&M University, Civil Engineering Department, its purpose is to introduce high school students to principles of transportation systems development, construction, management, technology, and environmental impact. This exposes high school students to the opportunities that exist in the transportation industry and to stimulate interest in pursuing education in this field.

Application Deadline: May 08, 2009. Program Dates: Jun 7 THRU Jul 3, 2009

[Web Site](#) [Application Form](#)

Renewable Energy Camp for High School Students



“The Renewable Energy Camp for High School Students” is a one-week summer camp for high school students in the 11th and 12th grade. The camp will expose the students to the excitement and rewards of engineering, strengthen their foundations

_____ in math and science, and expose them to energy issues of today. The students will have hands-on experiments with renewable energy sources such as solar and wind power. The camp activities will help to develop fundamental engineering skills to address important state and national energy concerns.

Application Deadline: Jun 1, 2009. Program Dates: Jun 21 THRU Jun 26, 2009

[Application Form](#)

MITES- Minority Introduction To Engineering And Science

The program is oriented toward high school students who are currently sophomores and juniors and who have an interest in engineering and science and who have demonstrated in high school the necessary ability to pursue a college education. The program is 100% scholarship-based and covers all living and educational expenses for each admitted student. Students only pay for their transportation to and from PVAMU.

Application Deadline: Apr 16, 2009. Program Dates: Jun 21 THRU Jul 3, 2009

[Application Form](#)

SEEC- Summer Engineering Education Camp

This is a week-long resident program for middle school students, male and female, who are interested in the field of Engineering. Students admitted to program will learn about engineering through hands-on activities, experiments and laboratory tours. The students will work in teams to solve engineering problems. In addition, the students will also learn how to succeed in College. The mission of the SEEC Program is to introduce students to engineering, strengthen their mathematics, skills, and motivate the students to succeed in College. The students will also experience college life by living in the dormitory, staying on campus for a week, living with roommate, interacting with College students, and being part of a collegiate environment. The program will:

- 1- Provide multicultural experiences and academic enrichment activities.
- 2- Teach about contributions of scientists and inventors of under-represented groups.
- 3- Build self-confidence and self-esteem.

Application Deadline: May 08, 2009. Program Dates: Jun 21 THRU Jun 26, 2009

[Program Brochure](#) [Program Application](#)

BHSSC- The ExxonMobil Bernard Harris Summer Science Camp



The ExxonMobil Bernard Harris Summer Science Camp (BHSSC) is a free, academic program of The Harris Foundation, which takes an active role in shaping education in students entering grade 6, 7, or 8 in the fall of 2009. Science, technology, engineering and mathematics are critical to society's infrastructure for the 21st century and preserving that future requires an investment, such as the BHSSC, in our youth today. This camp program was originally developed as a collaborative effort of the Harris Foundation, the Houston Independent School District, the University of Houston (UH) and the Southwestern Oklahoma State University (SWOSU), designed to support historically underserved and underrepresented students with limited opportunities. To obtain additional information and camp application, please click on the icons below.

Application Deadline: Apr 24, 2009. Program Dates: Jun 7 THRU Jun 19, 2009

[Web Site](#)

[Application Form](#)

[Other Summer Programs](#)

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P.O. Box 519 . Prairie View, Texas . 77446-0519 Phone: (936) 261-9900