

## How to Apply?

ECE Summer Engineering Education Camp (SEEC) application process:

1. Download and complete the online application form.
2. Submit Middle School Transcript
3. Obtain a letter of recommendation from high school counselor, including: Middle School Rank, Classification, Overall GPA

## Additional Info

- Students must arrange their own transportation.
- Acceptance of applicant into the program assumes that a guardian will assure full attendance of students.
- During the summer programs, students will have the opportunity to experience college life by living in dormitory , staying on campus for a week, living with roommate, interacting with College students, and being a part of a collegiate environment
- Students will be introduced to the Engineering Profession ,job opportunities in Engineering, civil engineering principles, engineering applications of mathematics , basic electronics, engineering experiments and design projects using the Infinity Project kits and Legos

Summer Programs are funded by THECB

## Who Should Apply?

- Academically talented students who will complete the 6<sup>th</sup>, 7<sup>th</sup>, or 8<sup>th</sup> grade in Spring 2009
- Students who are interested in the engineering profession
- Students who will contribute to the diversity of the field of engineering.

For registration forms please contact:  
Department of Electrical and Computer Engineering  
Phone: 936.261.9915

Email: [ece@pvamu.edu/2615.asp](mailto:ece@pvamu.edu/2615.asp)

Teachers interested in becoming involved in summer Engineering Education Camp for middle school should submit

Philosophy on education to:

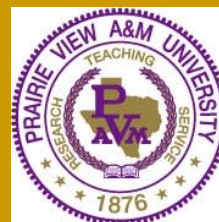
Dr. Warsame H. Ali

Principal; Investigator and Program Director

[Whali@pvamu.edu](mailto:Whali@pvamu.edu)

## Program Dates

- Application Deadline May 20, 2009
- SEEC Orientation June 14, 2009
- Program Begins June 15, 2009
- Program Graduation June 19, 2009



## Department Of Electrical and Computer Engineering Summer Engineering Education Camp for Middle School

(2008 SEEC Participants)



Prairie View A&M University  
A MEMBER OF THE TEXAS A&M UNIVERSITY SYSTEM

The objective of the Electrical and Computer Engineering Department is to prepare the student for a successful professional career in electrical or computer engineering.

The curriculum is structured to provide each student with a sound background in the basic and engineering sciences and a thorough foundation in electrical engineering for the analysis and design of electrical and electronic circuits and systems.

The curriculum provides courses necessary for technical competencies as well as courses and seminars on professional ethics and the responsibilities of the engineer. The program is offered with four areas of emphasis

- Computer Engineering
- Communications and Signal Processing
- Microelectronics and
- Power Control; Systems

Prairie View A&M  
University

DEPARTMENT OF  
ELECTRICAL AND  
COMPUTER  
ENGINEERING

## What about Engineering?

Have you ever wondered who created that spine-tingling ride you love so much at the amusement park? Have you ever thought about why today's cars are more fuel-efficient and cause less pollution? Or who came up with instant messaging? The answer is engineers. Whether it's cell phones, digital cameras, DVDs, or facial recognition devices that can pick out a terrorist in a crowded football stadium, engineers are behind almost all of today's exciting technology. Every year, nearly 100,000 new college students enroll in engineering programs.

- Engineering Go For It!

## What is Electrical Engineering?

If you can switch it on, chances are that an electrical engineer had something to do with it. Electrical engineers are the movers and shakers of the energy world, where they convert energy from natural sources and move it to homes, factories, and businesses. Electrical Engineers also move information from place to place, television, satellite transmissions, and cell phones.

## What is Computer Engineering?

Computer Engineers deal with all aspects of computer systems including design, construction, and operation. Consequently, computer engineers can specialize in digital systems, operating systems, computer networks, software, and hardware. Since these logic devices are in everything – cars, toasters, telephones – computer engineers are rarely at a loss for work. Also computer engineers work within other engineering sub-disciplines.



SEEC

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.

## SEEC Program

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.