

How to Apply?

ExCEL Program application process:

1. Download and complete the online application form. The application includes a 400-word essay on "Why I am interested in electrical and computer engineering."
2. Submit evidence of a grade point average of "B" or better, as documented on an official high school transcript.
3. Submit a letter of recommendation from a current math or science teacher. The letter should address the student's interest and aptitude for science, math, and pre-engineering.
4. Submit PSAT, SAT, or ACT scores, if available.

ECE Summer Institute application process:

1. Download and complete the online application form.
2. Submit High School Transcript
3. Obtain a letter of recommendation from high school counselor, including: High 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 dormitory life and get a glimpse of what college will be like.
- Teachers, counselors and other college students will serve as counselors and guides during the entire camp.

Summer Programs are funded by TETC

Who Should Apply?

- Academically talented students who will complete the 10th, 11th, or 12th grade in spring 2008
- Students who are expressly interested in an electrical or computer engineering degree
- Students who will contribute to the diversity of the field of electrical and computer engineering.

For Pre-registration forms please contact:

Department of Electrical and Computer Engineering

Phone: 936.261.9980

Email: ece@pvamu.edu

Web: <http://www.pvamu.edu/pages/2615.asp>

Teachers interested in becoming involved as ExCEL instructors should submit resume and philosophy on education to:

Dr. James Northern,

Principal Investigator and Program Coordinator,
ianothern@pvamu.edu

Program Dates

Application Deadline	April 28, 2008
ExCEL Orientation	June 6, 2008
• Program Begins	June 13, 2008
ECE Summer Institute Orientation	June 8, 2008
• Program Begins	June 9, 2008
Graduation (Both Programs)	June 13, 2008



Department Of Electrical and Computer Engineering Summer Programs for High School Students

ECE Summer Institute ExCEL Program



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

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.



Program Highlights

ECE Summer Institute

This is a week-long resident program for 10th and 11th graders, 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.

ExCEL Program

The mission of the ExCEL Program is to increase student awareness and enthusiasm for learning mathematics and science using hands-on learning activities and educational technologies in mathematics and sciences. **STRENGTHEN** academic abilities and prepare students for matriculation in the university. **EXPOSE** students to and promote enthusiasm for mathematics, science and technology. **PROVIDE** multicultural experiences and academic enrichment activities. **TEACH** about contributions of scientists and inventors of under-represented groups. **BUILD** self-confidence and self-esteem.

Prairie View A&M
University

DEPARTMENT OF
ELECTRICAL AND
COMPUTER
ENGINEERING