

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 engineering" and a 400-word essay on "How I can contribute to the diversity of the 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 2007
- 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: 936.261.9915

Email: ece@pvamu.edu

Web: <http://www.pvamu.edu/ece>

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

Dr. James Northern,

Principal Investigator and Program Coordinator,
janothern@pvamu.edu

Program Dates

Application Deadline	April 30, 2007
ExCEL Orientation	June 10, 2007
• Program Begins	June 11, 2007
ECE Summer Institute Orientation	June 17, 2007
• Program Begins	June 18, 2007
Graduation (Both Programs)	June 22, 2007



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.

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



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.