

## Application Process

Space is limited to a total of 200 students for all four years combined.

### **Incomplete applications will NOT be accepted.**

Students are responsible for their own meals and transportation while at TAMU.

### **A complete application must include:**

- Supplemental information forms
- Two letters of recommendation from a math and either a science, English teacher or counselor.
- A 250 word essay on why they want to participate in TexPREP.
- Latest official report card that contains grades for English, math, and science.
- GPA computation by counselor.
- Pre-Test (PSAT) incomplete if not pre-tested.

Texas A&M International University

Attn: TexPREP 2012 Yr. \_\_\_\_

Office of Special Programs

5201 University Boulevard, SC 126

Laredo, TX 78041

## More about TexPREP!

### Facilities

Unless otherwise specified, all curriculum offerings will be on the Texas A&M International University campus. These facilities include the Sue & Radcliffe Killiam Library, the TAMU Computer and Science Labs, the University classrooms, and the Lamar Bruni Vergara Science Center.

As part of a partnership agreement, Laredo Community College will be offering first, second, and third year at LCC South Campus.

### Staff

Courses will be taught by University professors, visiting professors from public schools, and members of the working science and engineering community.

### Texas Prefreshman Engineering Program

For more information, please contact:

The Office of Special Programs

Phone: 956.326.2700

Fax: 956.326.2699

Website:

[www.tamui.edu/specialprograms/TexPrep.shtml](http://www.tamui.edu/specialprograms/TexPrep.shtml)



## Texas Prefreshman Engineering Program

June 10, 2013– August 1,

2013

A Member of The Texas A&M University System

# TAMU's TexPREP Prefreshman Engineering Program 2013

## Welcome *TexPREP!!!*

Texas A&M International University is pleased to announce its 28th Annual Texas Prefreshman Engineering Program (TexPREP), an opportunity for high-ability local and area middle and high school students to be exposed to college-level mathematics, science and engineering studies.



### Description

Since the traditional obstacle for many under-represented minorities and females is mathematics and its problem-solving applications, a major objective of TexPREP is to strengthen students' abstract reasoning and problem-solving skills. Program efforts are directed toward discussion of college-level topics not previously available to students. An additional emphasis is placed on mathematics, science, engineering awareness in engineering courses, and research and study sessions, and career opportunity components.

### Goals

To increase the number of prepared under-represented minority and female students to:

- Pursue a career in math, science, or technology,
- Increase the rate of students at the post-educational level,
- Acquaint students with professional opportunities affiliated with the program.

### TEA Credit

The Texas Education Agency has approved TexPREP to be awarded as an innovative/elective credit for high school per year of successful completion.

### Schedule

The program will run on a tentative schedule of Monday thru Thursday from 8:00 a.m. to 3:30 p.m., June 10th through August 1, 2013.

### Course of Study

#### *1st Year\**

- Logic
- Problem-Solving (Algebra)
- Calculators
- Pre-Engineering
- Research and Study



#### *2nd Year\**

- Technical Writing
- Problem-Solving (Geometry)
- Engineering
- Chemistry
- Computers (C++)



#### *3rd Year\**

- Advanced Technical Writing
- Problem-Solving (Calculus)
- Physics
- Engineering Drafting
- Computers (C++)

\*All years will include a Career Awareness session at the end of the regular class day.

\* Classes are subject to change.

\*No more than 3 absences are allowed for 8 week program.

