



Texas A&M International University
Application Form: Pre-Engineering Cohort
2010-2011 Academic Year

APPLICATION DEADLINE: Wednesday, January 26, 2011

DIRECTIONS: A complete application consists of this form and two attachments specified below. Incomplete applications will NOT be processed. Please type or print clearly.

Last Name: \_\_\_\_\_ First Name: \_\_\_\_\_ MI: \_\_\_\_\_

Student Number: \_\_\_\_\_ Gender (please circle one): Male Female

Street Address: \_\_\_\_\_ Apartment Number: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone: (\_\_\_\_) \_\_\_\_\_ - \_\_\_\_\_ E-mail Address: \_\_\_\_\_

Are you a U.S. citizen or Permanent Resident? Yes \_\_\_\_\_ No \_\_\_\_\_

Current Major at TAMIU: \_\_\_\_\_ Current cumulative GPA: \_\_\_\_\_

Current Status (please circle one): Freshman Sophomore Junior Senior

List all college courses you have taken by or registered for Spring 2011 in Engineering, Mathematics, and Physics: \_\_\_\_\_

\_\_\_\_\_
\_\_\_\_\_

ATTACHMENTS:

- (1) Attach a 200-300 typed word essay describing your educational goals and career plans.
(2) Attach updated (including grades of Fall 2010) college transcripts of your academic records.

I understand that accepting this offer to participate in this project, if I am selected, I meet all of the requirements of the project; and give my permission for TAMIU to notify the US Department of Education of my activities in the project. I hereby verify that all the information that I have provided in this application is true and accurate. Your signature gives permission for the project personnel to review any academic records and any information pertaining to your eligibility for this workshop project.

SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

Please submit completed application to one of the following project coordinators:

- Dr. Ray Bachnak, CH 301, Phone: (956) 326-2408, E-mail: rbachnak@tamiu.edu
• Dr. Pablo Biswas, CH 313 H, Phone: (956) 326-2600, E-mail: pablo.biswas@tamiu.edu
• Dr. Runchang Lin, CH 313 M, Phone: (956) 326-2569, E-mail: rlin@tamiu.edu



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## Pre-Engineering Cohort (PE-Cohort) 2010-2011 Academic Year

The purpose of this project is to create a pre-engineering cohort to improve the recruitment and retention of highly motivated Hispanic and other low-income minority students. Students are expected to participate in an enrichment program at Texas A&M University (TAMU), College Station in Summer II 2011. This program will expose students to the various engineering fields and emphasize critical thinking and problem solving skills. **Application deadline is Wednesday, January 26, 2011.**



### Benefits to students:

- Each participant will receive a laptop. The laptop will allow students to fully participate in the workshop activities and successfully complete their coursework during the two years they are in the cohort.
- Participants will attend a free two-week workshop at TAMU-College Station in Summer II 2011. Each workshop participant receives \$500 to cover daily expenses.
- Participants are provided with advising and tutoring services throughout the year.

The summer workshop at TAMU-College Station includes activities coordinated by various TAMU engineering departments, such as

- Tours and demonstrations of engineering laboratories and facilities
- Discussions with industry representatives and faculty members
- Presentations about the future trends in different engineering disciplines and the career options for students
- Participation in class shadowing
- Work on an interdisciplinary design project such as robots programming & building engineering structures
- Field trip to an engineering company

For more information about this project, please contact one of the following individuals:

- Dr. Ray Bachnak, STEM-RRG Project Director, Phone: (956) 326-2408, E-mail: [rbachnak@tamiu.edu](mailto:rbachnak@tamiu.edu)
- Dr. Pablo Biswas, Assistant Professor, Phone: (956) 326-2600, E-mail: [pablo.biswas@tamiu.edu](mailto:pablo.biswas@tamiu.edu)
- Dr. Runchang Lin, Assistant Professor, Phone: (956) 326-2569, E-mail: [rlin@tamiu.edu](mailto:rlin@tamiu.edu)

Texas A&M International University, Department of Engineering, Mathematics, and Physics  
This project is partially supported by a grant from the U.S. Department of Education, STEM-RRG. Application form and other information about this program may be found at <http://www.tamiu.edu/~rbachnak/STEMRRG/index3.html>