The College of Engineering at California State University, Long Beach presents

**Engineering Bridge**

**FOR INCOMING FRESHMEN**

**BENEFITS:**
- Bookstore credit for books and supplies
- Higher chance to graduate in 4 years
- Develop a higher level of academic skills
- Special access to CSULB services and resources
- Form strong friendships among other freshmen who’ll support your first year experience
- Opportunity to participate in student leadership workshops

**CRITERIA:**
Freshmen will be required to attend and enroll in the following courses for the semesters indicated below:

**SUMMER 2015:**
- 5-Day Summer Bridge Residential Program
  (August 3–7, 2015)
  Deadline: **July 20, 2015**

**FALL 2015:**
- MATH 111
- MATH 113
- ENGL 100
- ENGR 101

**SPRING 2016:**
- MATH 122
- ENGR 102
- COMM 130 (or similar)

**FREE!!**

Space is limited! Please apply by July 20, 2015

Brenda Medina, Program Coordinator

Call: (562) 985-4115 | Email: Brenda.Medina@csulb.edu
ELIGIBLE STUDENTS MUST SUBMIT THIS APPLICATION BY: JULY 20, 2015

ABOUT ENGINEERING BRIDGE

Thank you for your interest in applying to Engineering Bridge (EB) Program at California State University, Long Beach. We are excited that you are interested in being a part of the program! We have many students who are interested in applying, but we will only be able to admit 30 incoming freshmen who are currently in pre-engineering. The application is an important factor in the decision-making process and is designed to recruit students who have the potential to be successful in engineering.

In order to improve students’ academic performance and increase their ability to graduate in four years, the College of Engineering has developed a pilot program known as the Engineering Bridge (EB). This program is structured to enhance the opportunities for students to build communities among students and faculty. It is an academic year-long program commencing with the Summer Bridge Program in late August. Students who are accepted into EB will participate in a 5-day Summer Bridge residential program and continue through the academic year as a single cohort thru Fall and Spring. During the academic year, students will take the designated courses listed under Program Guidelines.

There are many benefits to participating in the Engineering Bridge Program, such as:

- Mentoring
- Free tutoring
- Learning Community
- Academic and Professional Workshops
- Bookstore credit for books and supplies
- Social Activities

ENGINEERING BRIDGE GUIDELINES

Engineering Bridge participants are grouped together and enrolled in the same classes for the following courses:

**SUMMER 2015**
- 5-Day Summer Bridge Residential Program (August 3 – 7, 2015)

**FALL 2015**
- Pre-Calculus (MATH 111)
- Trigonometry (MATH 113)
- Composition (ENGL 100)
- Intro to Engineering (ENGR 101)

**SPRING 2016**
- Calculus I (MATH 122)
- Academic Success Skills (ENGR 102)
- Oral Communications (COMM 130 or similar)

Students will meet in the same classroom as a cohort for the above listed courses during their freshman year. Classes will be scheduled MWF from 9:00 a.m. to 4:00 p.m. Students will be required to complete all their homework and assignments during the assigned time. Every effort will be made to make sure that this is a fun-filled and hard working environment to promote deep learning among the students who show potential, but who can do well with a little extra attention.

All students selected for the 2015-16 Engineering Bridge will receive a letter of acceptance and will be required to attend a mandatory orientation on Friday, July 31, 2015 from 6:00 p.m. to 8:00 p.m. Engineering Bridge and Summer Bridge is sponsored by MESA. Participants are highly encouraged to enroll in the MESA Engineering Program, in order to receive additional resources, such as attend national conferences, be eligible for MESA scholarships, etc.

ELIGIBILITY REQUIREMENTS

Engineering Bridge is open solely to incoming freshmen who are in pre-engineering majors and who have demonstrated high potential by earning good grades in science and math classes in high school. Eligible students will be required to enroll in MATH 111, MATH 113, ENGL 100, and ENGR 101 for their first semester, and MATH 122, ENGR 102, and an oral communications course for their second semester. To apply, please submit this application to the address listed below by: JULY 20, 2015

Brenda Medina, Program Coordinator
K-12 Outreach & Recruitment, EN2-302B
College of Engineering
California State University, Long Beach
1250 Bellflower Blvd., Long Beach, CA 90840
ELIGIBLE STUDENTS MUST SUBMIT THIS APPLICATION BY: JULY 20, 2015

STUDENT INFORMATION

First Name: ___________________________ MI: ______ Last Name: ___________________________ Gender: □ M □ F

Birthdate (MM / DD / YYYY): ___________________________ E-mail: ___________________________

Student ID #: ___________________________ Current CSULB Status: ______ Major: ____________

Current Address: ___________________________ City: ___________________________ State: CA Zip: ____________

Mobile Phone: ___________________________ Current Phone: ___________________________ Permanent Phone: ___________________________

Is a language other than English spoken regularly in your home? □ No □ Yes

Ethnicity: □ African-American □ Filipino □ White / Caucasian □ American Indian □ Hispanic / Latino □ Other: ___________________________

If American Indian, please specify Tribal Affiliation: ___________________________

VETERAN STATUS: Are you a veteran, veteran's dependent, or reservist? □ No □ Yes

Are you eligible for Veteran Services? □ No □ Yes

STUDENT’S HIGH SCHOOL INFORMATION

High School: ___________________________ City, State: ___________________________ High School GPA: ____________

SAT/ACT SCORES: Verbal: ______ Math: ______ SUBJECT TEST(S) W/SCORE: __________________________

GRADES RECEIVED IN HIGH SCHOOL MATH COURSE WORK (If AP, please specify):

Algebra 1: ____________ Algebra 2: ____________ Geometry: ____________ Pre-Calculus: ____________ Calculus: ____________

YEARS OF HIGH SCHOOL ENGLISH: ____________ AP COURSEWORK YEAR(S) AND GRADE: __________________________

Did you participate in a High School Engineering Program? □ No □ Yes, specify: __________________________

Did you participate in MESA? If so, how many years? □ No □ Yes, specify: __________________________

PARENT INFORMATION

What is the highest level of education achieved by each of your parents or guardians?

□ Parent 1 □ Parent 2 1: No School / Elem. School 3: Some High School 5: Some College or University 7: 4-Year College Degree 9: MS / MA / MBA / PhD

□ Parent 1 □ Parent 2 2: Eighth Grade or Less 4: High School Graduate 6: Community College 8: Beyond 4-Year College Deg. 10: Certification

What type of work have your parents or guardians typically done over the past years or prior to retiring?

□ Parent 1 □ Parent 2 1: General Worker 3: Factory Worker 5: Sales/Clerical 7: Other Professional 9: Engineer

□ Parent 1 □ Parent 2 2: Farm Worker 4: Skilled Tech./Trade 6: Manager/Supervisor 8: Computer Scientist 10: Not Employed

STUDENT CONSENT

□ I hereby apply for admission to the MESA Engineering Program (MEP). I authorize the University to release my records to the Statewide MESA/MEP office. I give MESA the right and permission to use my photograph in its promotional materials and publicity efforts. I understand that the image(s) may be used in print and electronic materials, such as newsletters, videos, website, and other forms of promotion. I release MESA, The Regents of the University of California (MESA’s administrator), MESA’s photographer, its offices, employees, agents, and designees from liability for any violation of any personal or proprietary right I may have, in connection with such use. I am 18 years of age or older.

□ I hereby apply for admission to the Engineering Bridge (EB) Program. I will participate in the Summer Bridge Residential Program from Aug. 3 – 7, 2015 and commit to the proposed EB class schedule (MWF 9:00 a.m. to 4:00 p.m.) for the entire Spring 2015 and Fall 2016 semesters. I give EB the right and permission to use my photograph in its promotional materials and publicity efforts. I understand that the image(s) may be used in print and electronic materials, such as newsletters, videos, website, and other forms of promotion. I release EB, CSULB, EB’s photographer, its offices, employees, agents, and designees from liability for any violation of any personal or proprietary right I may have, in connection with such use.

Student's Signature: ___________________________ Date: ___________________________
ELIGIBLE STUDENTS MUST SUBMIT THIS APPLICATION BY: JULY 20, 2015

I. FINANCING YOUR EDUCATION

a) I am receiving financial aid for college this year.  □ Yes  □ No

b) My financial aid package includes: (Please check all that apply)
   □ Pell Grant  □ Cal Grant  □ Student Loan  □ College Work/Study  □ College/University Grant  □ Parent Loan
   □ Private Scholarship, please specify:__________________________  □ Other, please specify:__________________________

  c) My family provides major help with the cost of my college education.  □ Yes  □ No

     Who helps (e.g., parents, grandparents, siblings)? __________________

  d) I am treated as an Independent Student for financial aid.  □ Yes  □ No

e) My family income is $__________________. There are ________ people living in my home.

  f) I work _________ hours per week during school.

II. PROGRAMS IN WHICH YOU HAVE PARTICIPATED IN HIGH SCHOOL

Please check all that apply.

  □ Honor Society  □ Dean’s List  □ Upward Bound  □ Talent Search  □ MESA
  □ EOP  □ EOPS  □ AFDC  □ School Lunch Program  □ Foster Care

III. EDUCATIONAL BACKGROUND

a) My high school offered Advanced Placement (AP) classes in:  □ Math  □ Chemistry  □ Physics  □ English

b) My high school offered calculus.  □ Yes  □ No

c) I had a laboratory in each science course I took in high school.  □ Yes  □ No

d) The lab facilities in my high school were:  □ Good  □ Fair  □ Poor

e) My high school was:  □ Inner-City  □ Suburban  □ Rural

IV. FAMILY BACKGROUND

a) I will be the first in my family to graduate from college.  □ Yes  □ No

b) In my family, the following people have graduated from college: (Please list the college major for all that apply.)

     Mother__________________ Father__________________ Sister(s)__________________ Brother(s)__________________

  c) How many people live in your family home and who are they (e.g., parents, etc.)?

     Number __________ Relationships ____________________

  d) The primary language spoken in my home is ____________________

V. MEMBERSHIP IN STUDENT ORGANIZATION

I have joined the following pre-professional organizations (i.e. AICES, SHPE, NSBE, MAES, etc.):

1. ___________________________________________________________________________________

2. ___________________________________________________________________________________

3. ___________________________________________________________________________________

4. ___________________________________________________________________________________

5. ___________________________________________________________________________________