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
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 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

### ABOUT ENGINEERING BRIDGE

Eligible students must submit this application by: **JULY 20, 2015**

### 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**

<table>
<thead>
<tr>
<th>First Name:</th>
<th>MI:</th>
<th>Last Name:</th>
<th>Gender: □ M □ F</th>
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</thead>
</table>

**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: __________________________
- □ Asian
- □ Pacific Islander
- □ Decline to State / Don’t Know

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?**

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<thead>
<tr>
<th>Parent 1</th>
<th>Parent 2</th>
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<tbody>
<tr>
<td>number</td>
<td>number</td>
</tr>
<tr>
<td>1: No School / Elem. School</td>
<td>1: General Worker</td>
</tr>
<tr>
<td>2: Eighth Grade or Less</td>
<td>2: Farm Worker</td>
</tr>
<tr>
<td>3: Some High School</td>
<td>3: Factory Worker</td>
</tr>
<tr>
<td>4: High School Graduate</td>
<td>4: Skilled Tech./Trade</td>
</tr>
<tr>
<td>5: Some College or University</td>
<td>5: Sales/Clerical</td>
</tr>
<tr>
<td>6: Community College</td>
<td>6: Manager/Supervisor</td>
</tr>
<tr>
<td>7: 4-Year College Degree</td>
<td>7: Other Professional</td>
</tr>
<tr>
<td>8: Beyond 4-Year College Degree</td>
<td>8: Computer Scientist</td>
</tr>
<tr>
<td>9: MS / MA / MBA / PhD</td>
<td>9: Engineer</td>
</tr>
<tr>
<td>10: Certification</td>
<td>10: Not Employed</td>
</tr>
</tbody>
</table>

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

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<thead>
<tr>
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<td>number</td>
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**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:** __________________________