2012 NHSEMP Freshman Bridge
UH Manoa, Oahu (July 1 – August 11, 2012)

DO YOU:
Enjoy hands-on activities and working in teams?
Have an interest in Hawaiian culture, values, and people?
Like science, technology, engineering, or mathematics?
Want to get a head start on your college courses and experience dorm life?

If so, the NHSEMP Freshman Bridge Program is for you!

The NHSEMP Freshman Bridge Program is a six-week summer experience for incoming Native Hawaiian University of Hawaii at Manoa freshmen interested in engineering or applied sciences. The Freshman Bridge addresses specific areas of interest for incoming freshmen: greater preparation for college-level math courses; financial assistance; comfort within a large university system; and a smooth transition from high school to college. Incoming freshmen will have the opportunity to live, study, and work on the UH Manoa campus.

The objectives of the Freshman Bridge:
∗ Focus on the link between STEM and the Hawaiian community
∗ Form a team of highly motivated STEM students like you
∗ Provide intensive math, chemistry, and Hawaiian Studies preparation

A weekday schedule consists of courses in Math and Hawaiian Studies, Chemistry preparation, exciting opportunities to explore various STEM fields, and a collaborative study session. NHSEMP covers the expenses of summer on-campus housing, meal plan, and tuition. In addition, students will receive a $1000 academic stipend, earn up to 6+ credits of University-level coursework, and acquire knowledge and hands-on experience in the engineering/science fields. Students will be prepared for their first year of college at UH Manoa.

To Apply for the NHSEMP Freshman Bridge:
Please send all of the following materials in one complete packet to the address listed below:

• NHSEMP Freshman Bridge Application (pages 1-3) typed or legibly handwritten in black or blue ink. Illegible applications will be rejected. This application must be fully completed, signed, and dated as indicated.

• Official High School Transcripts

• Test Scores: SAT or ACT (PSAT optional) – unofficial copies are allowed.

• Two letters of recommendation from teachers or counselors. Letters of recommendation should address the question: How do you think this student will contribute to and gain from this program? Please include any engineering- or science-related activities the student has participated in.

• Resume: please see page 2 of application for more details.

• NHSEMP Essays (2): please see page 3 of application for topics.

APPLICATION PACKET MUST BE POSTMARKED BY:
THURSDAY APRIL 12, 2012

Please send application packet to:
University of Hawaii, College of Engineering
2540 Dole Street, Holmes Hall 250
NHSEMP FRESHMAN BRIDGE PROGRAM
Attn: Kelli Ching
Honolulu, HI 96822
NHSEMP Freshman Bridge 2012 Application

Applicant Information

NAME: ___________________________________  UH ID #: _______________________
(Last, First, Middle Initial)

Email: ___________________________________  Skype/iChat Name: _________________
(the email address you check)

In Fall 2012, I plan to attend (please check one):

☐ The University of Hawaii at Manoa
☐ Another college/university _____________________________________________
☐ Undecided, will confirm by (please write date) ____________________________

Mailing Address: ______________________________________________________
(Street, Apt. #, City, State, Zip Code)

Permanent Address: ____________________________
(if different from above) (Street, Apt. #, City, State, Zip Code)

Cell Phone Number: ________________  Home Phone Number: _____________________

Gender:      Male  Female  Date of Birth: ___________________  Age: ___________
(please circle)

CITIZENSHIP:     ☐ USA  ☐ US Permanent Resident  ☐ Other (please specify): __________

Ethnicity (please check all that apply and specify as needed):

☐ Chinese  ☐ Chamorro  ☐ Hawaiian / Part-Hawaiian  ☐ Samoan
☐ Filipino  ☐ Hawaiian / Part-Hawaiian  ☐ Other Pacific Islander (_________)
☐ Japanese  ☐ Samoan  ☐ Other Pacific Islander (_________)
☐ Korean  ☐ Other Pacific Islander (_________)
☐ Other Asian (________________________)
☐ Alaskan Native  ☐ African American
☐ Native American  ☐ Caucasian
☐ African American  ☐ Hispanic
☐ Hispanic  ☐ Other (________________________)

Parent/Guardian Information

Name: ____________________________  Relationship to Applicant: ______________________

Mailing Address: _____________________________________________________________
(Street, Apt. #, City, State, Zip Code)

Permanent Address: ____________________________
(if different from above) (Street, Apt. #, City, State, Zip Code)

Home Phone: ________________  Other Phone: ________________  Email: ________________

Emergency Contact Information

1. Name: ____________________________  Relationship to Applicant: ______________________
Cell Phone Number: ____________________________  Home Phone Number: ________________

2. Name: ____________________________  Relationship to Applicant: ______________________
Cell Phone Number: ____________________________  Home Phone Number: ________________
**Educational Background**

High School: ___________________  Graduation Date: ________________  Cumulative GPA: __________

Highest Level of Math Completed or will Complete by Graduation: ____________________________

I have taken:  [ ] Geometry  [ ] Algebra II/Trigonometry  [ ] Pre-Calculus  [ ] Calculus AB  [ ] Calculus BC

Highest Level of Science Completed or will Complete by Graduation: ____________________________

I have taken:  [ ] Biology  [ ] Chemistry  [ ] Physics  [ ] Computer Science

**Areas of Interest**

Intended Major in College: 1. ___________________________________________________________________

2. ___________________________________________________________________

I am interested in the following STEM fields (please check all that apply):

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<th>Engineering</th>
<th>Science</th>
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<tr>
<td>[ ] Aerospace (AE)</td>
<td>[ ] Astronomy</td>
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<tr>
<td>[ ] Civil &amp; Environmental (CEE)</td>
<td>[ ] Environmental Science</td>
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<tr>
<td>[ ] Mechanical (ME)</td>
<td>[ ] Biology / Zoology</td>
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<tr>
<td>[ ] Electrical (EE)</td>
<td>[ ] Ocean Sciences</td>
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<td>[ ] Computer Engineering (CENG)</td>
<td>[ ] Botany</td>
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<td>[ ] Weather and Climate</td>
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<td>[ ] Information &amp; Computer Science</td>
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<td>[ ] Chemistry</td>
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<td>[ ] Earth Sciences (geology &amp; geophysics)</td>
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<td>[ ] Other</td>
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<td>3. _____________________________</td>
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**Resume**

Please be sure to include the following information in your resume (you do not have to limit yourself to one page).

If you do not already have a current resume, please see page 4 for a sample resume:

- Honors, awards, and scholarships
- Community service, activities, or related hobbies you participate in (i.e., free diving, hiking, etc.)
- Work, volunteer, or research experience
- Laboratory, computer, or other relevant skills
Essays

Each essay must be 500 words or less, typed (12 pt. font). For the second essay, please choose one of the following questions from the group:

Essay 1:
1. We are all unique individuals shaped by our culture, surroundings, and situations. How has your family background affected your goals and aspirations and the way you view the world?

and

Essay 2: (choose one)
1. How would your room, computer, or car describe you?

2. What is the best advice you ever received? Why? Did you follow it?

“I hereby certify that the information provided is true to the best of my knowledge.”

______________________________________________________
Signature of Applicant Date

______________________________________________________
Signature of Parent/Guardian Date
SAMPLE RESUME

Taylor K. Kamakea
1780 Kuliouou Place
Honolulu, Hawaii 96821
tkamakea@gmail.com
(808) 291-7999

Objective
To pursue a career in Geology.

Education
Kaiser High School, Honolulu HI May 2012
Cumulative High School GPA: 3.25

Honors & Awards:
• National Honor Society, 10th, 11th grade
• Dean’s List 4 semesters
• Most Valuable Player, Varsity Soccer Team

Interests & Activities:
• Robotics Club, Malama I Ke Kai Fishing Club (Secretary)
• LEO Club, Hawaiian Club
• Concert Band & Marching Band
• Varsity Soccer (Captain), JV & Varsity Cross-country
• Thanksgiving Church Food Drive manager
• Guitar, ukulele, fishing, free-diving, Sudoku

Relevant Experience
Intern, June 2009 – August 2009
KOA Engineering and Development, Honolulu, HI
Office intern. Assist engineers and staff with digitizing drawings and plans, clerical duties as assigned.

Strong Computer skills (PC and Macintosh)
Experience with AutoCAD 2008, Google SketchUp
FIRST Robotics, participant
High School Science Fair, Finalist