2011 NHSEMP Summer Freshman Bridge
UH Manoa, Oahu (July 3 – August 13, 2011)

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 Summer Bridge Program is for you!

The NHSEMP Summer 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 Summer 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 Summer 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 up to a $1000 academic stipend, earn 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 Summer Freshman Bridge:
Please send all of the following materials in one complete packet to the address listed below:

• NHSEMP Summer 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).

• 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 21, 2011

Please send application packet to:
University of Hawaii, College of Engineering
2540 Dole Street, Holmes Hall 250
NHSEMP SUMMER BRIDGE PROGRAM
Attn: Kelli Ching
Honolulu, HI 96822
Applicant Information

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

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

In Fall 2011, I plan to attend (please check one):

☐ The University of Hawaii at Manoa
☐ Another college/university ____________________________
☐ Undecided

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

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

Home Phone Number: _______________        Cell 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
☐ Filipino         ☐ Hawaiian / Part-Hawaiian
☐ Japanese         ☐ Samoan
☐ Korean         ☐ Other Pacific Islander (__________________________)
☐ Other Asian (__________________________)
☐ Alaskan Native
☐ Native American         ☐ African American
☐ Caucasian
☐ 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

Name: ____________________              Relationship to Applicant: ____________________

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

Home Phone Number: _______________        Cell Phone Number: _______________
NHSEMP Summer Freshman Bridge 2011 Application

**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):

<table>
<thead>
<tr>
<th>Engineering</th>
<th>Environmental, Earth, and Ocean Sciences*</th>
<th>Other Sciences</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ Aerospace (AE)</td>
<td>□ Earth Sciences (geology &amp; geophysics)</td>
<td>□ Astronomy</td>
</tr>
<tr>
<td>□ Architecture</td>
<td>□ Environmental Science</td>
<td>□ Biology / Zoology</td>
</tr>
<tr>
<td>□ Civil &amp; Environmental (CEE)</td>
<td>□ Ocean Sciences</td>
<td>□ Botany</td>
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<tr>
<td>□ Mechanical (ME)</td>
<td>□ Weather and Climate</td>
<td>□ Chemistry</td>
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<tr>
<td>□ Electrical / Computer Science (EE)</td>
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<td>□ Math</td>
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<td>□ Physics</td>
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<td>□ Other _____________________________</td>
</tr>
</tbody>
</table>

**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 a minimum of one page, single-spaced, typed (12 pt. font). For the second essay, please choose one of the following questions from the group:

**Essay 1:**
1. Why is it important for Native Hawaiians, Pacific Islanders and other minorities to excel in the fields of Science, Technology, Engineering, and Mathematics? How does this relate to your educational, personal, and career goals?

and

**Essay 2:** *(choose one)*
1. How would your room, computer, or car describe you?
2. Do you prefer a cooperative or competitive academic atmosphere? Please explain your choice.

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

Signature of Applicant
Date

Signature of Parent/Guardian
Date
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 2011  
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