2013 NHSEMP Freshman Bridge  
UH Manoa, Oahu (June 10 – August 15, 2013)

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 10-week summer experience for incoming Native Hawaiian University of Hawaii at Manoa freshmen interested in natural sciences or engineering. 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 and chemistry, preparation

A weekday schedule consists of courses in Math and Hawaiian Studies, Chemistry preparation, STEM research, exciting opportunities to explore various STEM fields, and a collaborative study session. NHSEMP covers the expenses of six-week summer on-campus housing, meal plan, and tuition. In addition, students will receive up to 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.

• High School Transcripts: Unofficial copies are allowed. Please also include current courses.

• 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 and page 4 for a sample document.

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

APPLICATION PACKET MUST BE POSTMARKED BY: 
WEDNESDAY APRIL 24, 2013

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 2013 Application

Applicant Information

NAME: ___________________________________ UH ID #: __________________________
(Last, First, Middle Initial)
Email: ________________________________ Do you reside on Oahu? Yes No
(the email address you check)

In Fall 2013, 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
☐ Filipino ☐ Hawaiian / Part-Hawaiian
☐ Japanese ☐ Samoan
☐ Korean ☐ Other Pacific Islander (_______________)
☐ Other Asian (_______________)
☐ Alaskan Native ☐ African American
☐ Native American ☐ Caucasian
☐ Hawaiian / Part-Pacific ☐ 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):

<table>
<thead>
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<th>Engineering</th>
<th>Science</th>
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<tr>
<td>☐ Aerospace (AE)</td>
<td>☐ Astronomy</td>
</tr>
<tr>
<td>☐ Civil &amp; Environmental (CEE)</td>
<td>☐ Biology / Zoology</td>
</tr>
<tr>
<td>☐ Mechanical (ME)</td>
<td>☐ Botany / Plant Science</td>
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<tr>
<td>☐ Electrical (EE)</td>
<td>☐ Information &amp; Computer Science</td>
</tr>
<tr>
<td>☐ Computer Engineering (CENG)</td>
<td>☐ Chemistry</td>
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<td>☐ Earth Sciences (geology &amp; geophysics)</td>
<td>☐ Physics</td>
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<td>☐ Pre-Med</td>
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<td>☐ Other 1. ___________________________________________________________________</td>
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<td>2. ___________________________________________________________________</td>
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<tr>
<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
NHSEMP Freshman Bridge 2013 Application

**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. Describe a special attribute or accomplishment that sets you apart.

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“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
Cumulative High School GPA: 3.25
May 2012

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 2012 – August 2012
KOA Engineering and Development, Honolulu, HI
Office intern. Assist engineers and staff with digitizing drawings and plans, clerical duties as assigned.

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