

THE BRAE WEEKLY

The Weekly Newsletter for the BioResource & Agricultural Engineering Department



WEEK 9 - MAY 24TH, 2016

COME TO THE CAL POLY FARMER'S MARKET!



Stop by the UU for a fun day with CAFES Club booths, a Farmer's Market, and even BBQ Samples from the Rib Line!

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BRAE NEWS & EVENTS

Cyber Case Library - Join Us!

The goal of the Cybersecurity Case Library is to bring pairs of students together from diverse disciplines to write a case study about a particular controversial event in the cybersecurity field and develop purposeful solutions. If you are interested and would like to learn more, contact Nicole Angelini at nangelin@calpoly.edu.

Engineering Without Borders- Meetings

India: Bldg 10-231, Monday from 7-9pm
Malawi: Bldg 10-223, Monday from 7-9pm
Nicaragua: Bldg 10-220, Monday from 7-9pm
Thailand: Bldg 10-221, Monday from 7-9pm
Local Projects: Bldg 10-111, Monday from 7-9pm
IMPACT: Library 216M, Tuesday from 6-8pm
Fundraising: Library 216M, Tuesday from 3-4pm

EWB Alumni Weekend (5/27-30)

Come join us for a weekend of fun events and hang out with our awesome alumni! If you plan on attending any of the events below, please RSVP [here](#).

Friday, May 27th: As the alumni get into town, come check out Project Expo in the Engineering Plaza from 3-6pm.

Saturday, May 28th: Join us for free donuts and coffee in the ATL from 10-12pm, then a brewery tour around SLO in the afternoon. Those under 21 are still invited, especially if you can drive.

Sunday, May 29th: Help represent your project team in an afternoon sports tournament! Then, wrap up the day with our annual EWB Spring Banquet (details below).

Monday, May 30th: Enjoy the day off and say farewell to the alumni with a hike up Bishop's Peak around 11am.

RSVP for Spring Banquet (5/29)

On Sunday, May 29th from 6-8:30pm you are invited to EWB's annual Spring Banquet. Join us in the ATL (Bldg. 7) as we celebrate the year! A catered dinner from Splash Cafe will be served with a vegetarian and non-vegetarian options. Tickets are \$20 for students and free for faculty members. Dress will be semi-formal. Please RSVP by midnight tonight. For questions please contact our Events Coordinator.

SAFETY TIP OF THE WEEK

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End Mill Operation & Safety



Operation & Safety Tips:

- Always wear safety glasses
- Never wear gloves
- Familiarize yourself with the controls and their locations before startup
- Securely clamp and support the work piece so that it cannot shift during machining
- NEVER install the cutting tool while the POWER is on
- Disengage any automatic feeds before startup
- Ensure the cutting tool is rotating in the proper direction
- Use the proper cutting tool for your application
- Watch out for hot chips and cuttings from the material
- Select the proper speed based on material type and cutter diameter:

$$\frac{400}{\text{Bit Diameter (in)}}$$

Clean up when you're done!!!

- Put all tools and cutters away

MAY & JUNE CALENDAR

Sunday Monday Tuesday Wednesday Thursday Friday Saturday

8 Mother's Day!	9	10	11	12 BRAE BBQ 11am	13	14 AES Banquet at 6:30 at the Madonna Inn
15	16	17	18	19 PAAC Meeting 10 am in 8A-33L BRAE BBQ 11am	20	21
22	23	24	25	26 BRAE BBQ 11am Cal Poly Farmer Market 11-1 in UU PAAC Meeting 10 am in 8A-33L	27	28
29	30 Memorial Day No School	31 Dead Week Get some sleep!	1	2 BRAE BBQ 11am	3	4
5	6 Finals Week Good Luck!	7	8	9	10	11 Graduation

STUDENT OPPORTUNITIES

CA Career Pathways Summer Job Opportunities

I'd like to introduce myself, my name is Lupe Espinoza and I am the new Director for the California Career Pathways Trust grant at West Hills Community College District. The pathways that our grant is focused on are all in agriculture-Plant Science and Ag Mechanics. One aspect of the grant is to provide residential Summer Ag Career Camps for incoming 8th grade students. The purpose of the camp is to introduce students to the variety of careers available to them in agriculture and give them some hands-on experience.

Last year several Cal-Poly students were hired as content expert leads/teaching aids in Tractor Operation, Soil Science, Entomology and Welding. We are looking for the same thing for this upcoming year. The jobs should be posted on our website early next week, but I wanted to reach out to you for names of students that would be ideal candidates.

We're looking for instructional leads (Vocational Aid II-\$25hr) and Teaching Aids (Vocational Aid I-\$15hr) in the following areas:

- IPM/Entomology
- Soils
- Tractors
- GPS/GIS/Precision Ag
- Academic Planning/Ag Career Counseling
- Land Surveying
- CAD
- Woodworking
- Cold Metal Work
- Welding
- STEM Lead (Science is Fun)

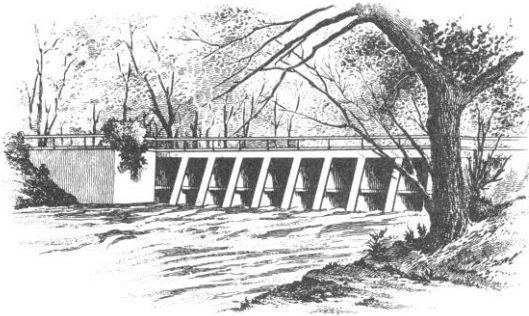
Training will be July 5-8, 2016 and the camps start on July 10th and run through July 23rd. For students that don't feel they could lead the instruction or be a teaching assistant we also have ten (10) Residential Advisor positions available that will have a stipend of \$700 for the three weeks.

If you have any interested students please have them communicate with me or Laura Haney directly. We can be reached at:

Laura Haney laurahaney@whccd.edu 559-934-2333 office 559-730-1301 cell

Lupe Espinoza lupeespinoza1@whccd.edu 559-934-2332 office 224-213-9704 cell

STUDENT OPPORTUNITIES



OFFICES OF
PHONE (559) 233-7161
FAX (559) 233-8227
2907 SOUTH MAPLE AVENUE
FRESNO, CALIFORNIA 93725-2218

Engineering Technician I, II, or III DOQ

Location: Fresno, CA
Pay Scale: Engr Tech I – Starting at \$17.84 an hour DOE
Engr Tech II – Starting at \$20.65 an hour DOE
Engr Tech III – Starting at \$22.76 an hour DOE

FLSA STATUS: Non-Exempt
Employment Type: Full Time
Representation: Represented by OE3

To apply for this position, please visit www.fresnoirrigation.com and click on Employment Opportunities where you can download an application.

SUMMARY:

Under varying degrees of direction, performs a variety of office and field duties including planning, design and coordinating construction and maintenance of District facilities; develops construction plans and drawings; prepares reports, easements, contract documents and other engineering documents, provide assistance to other engineering staff, customers, construction personnel, outside agencies and others as necessary; and performs other related duties as required.

DISTINGUISHING CHARACTERISTICS

Engineering Technician I – This is the entry level class of the Engineering Technician series. Employees work under immediate supervision performing assigned tasks. Employees may have limited job related experience and are trained on the job.

Engineering Technician II – This is the intermediate level class of the Engineering Technician series. Employees are distinguished from the Engineering Technician I by performing assigned tasks requiring with some degree of independent initiative and judgment but still working under immediate supervision.

STUDENT OPPORTUNITIES



3131 North 75th Street - Suite 100 Boulder, Colorado 80301
Phone: (303) 440-7833 Fax: (303) 440-6041 E-mail: info@lidlandscapes.com

IRRIGATION TECHNICIAN Boulder, Colorado

Looking to work with exceptional people & have a great work-life balance?

L.I.D. Landscapes, an award-winning company serving the Boulder Valley, has an exciting opening for an **Irrigation Technician**. We are seeking a highly motivated, experienced individual to join our team.

This position has the responsibility to ensure quality services, perform work efficiently and safely, and provide a high level of customer satisfaction for irrigation projects.

Irrigation Technician Job Summary

- Install residential and commercial irrigation systems
- Troubleshoot and repair irrigation systems, including start ups and shut downs
- Read and take measurements on irrigation plans
- Calculate the water volume, precipitation rates for irrigation zones from plans
- Estimate, plan and prepare proposals for new irrigation systems
- Assist with coordination and supervision of crews
- Assist with parts inventory and ordering of parts
- Assist on landscape maintenance crews as needed

Irrigation Technician Job Skills

Essential competencies and characteristics:

- Excellent knowledge of residential irrigation systems installation and repair
- Equipment operation skills - skid steer, backhoe, trencher, etc.
- Physically able to lift heavy weights in safe manner
- Strong leadership and communication skills
- Excellent customer service skills
- Strong plant knowledge

Irrigation Technician Requirements

3+ years' experience in irrigation installation and repair. Certified Irrigation Technician (CIT) considered a plus. Microsoft Office, Excel and Word application experience. Must have valid driver's license and a driving record acceptable to our insurance company.

To be considered for this opportunity, write an introductory letter describing why you are an excellent candidate for the position. Submit your resume with hourly rate history to B.McElroy@jamesmartinassociates.com. Please reference the job title with the subject line. Visit our website at www.LIDlandscapes.com for more information about the company.