

# Girls - You are the Future Workforce



**Nontraditional Employment for Women**  
**SIERRA COLLEGE**

**October 17, 2014**  
**9 am to 1 pm**

## MAKING CAREERS: GIRLS MAKE A DIFFERENCE

You are invited to visit Sierra College, explore interesting majors, use your creativity on a take home project and discover rewarding careers at the **Nontraditional Employment for Women (NEW) event**.

### SIERRA COLLEGE WANTS YOU TO:

- Connect with men and women who are changing the world through their work in Science, Technology, Engineering, Art and Math (STEAM).
- Find out how you can prepare for highly-paid, exciting nontraditional careers.
- Select the lab you want to visit: Welding, Mechatronics, Engineering, Construction & Energy Technology, Applied Art & Design or Drafting & Engineering Support.

### THIS FREE EVENT INCLUDES:

T-shirt, lunch, hands-on project, transportation and meeting mentors. Come with a group from your school.

### TO SIGN UP:

<http://goo.gl/q1Lmmj> and select one Sierra College program to visit. Space is limited. Sign up by Oct.3.

### FOR QUESTIONS, CONTACT:

Valaine Hoffmann at [valaine@vhoffmann.com](mailto:valaine@vhoffmann.com) or 530-305-6700.

- Hear Hacker Lab CEO, Gina Lujan's keynote on innovation & entrepreneurship
- Be inspired by Emcee Shannon Brinias, CBS Anchor, who once switched out the head gaskets on a race car
- Make a hands-on project in a Sierra College lab and meet faculty at this girls-only event
- Talk in small groups with employers about careers that make a difference

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**The deadline to register is Oct 3 for NEW at Sierra College on Oct. 17. Space is limited so sign-up ASAP.**

- **Go to <http://goo.gl/q1Lmmj>**
  - Select one lab to participate in from the list below
  - Select your T-shirt size
  - Complete your name, contact information and school
- **Go to your school Career Tech office** to get the NEW Packet with permission slip and more information

### **Applied Art & Design and Photography**

Are you interested in photography and digital imaging? Visit us and learn how to set up a lighting studio for portrait photography. You'll set up studio lights, experiment with lighting and take photos of yourself and others with various prop. Then you'll take your digital images into Adobe Photoshop to retouch, apply effects and print images to take home. Professors: Natalie Rishe and Rebecca Gregg, Rooms Weaver 201 and 203.

### **Construction & Energy Technology**

Are you interested in working with your hands, designing, building or working outdoors? Come join in the fun at the Construction and Energy Technology lab and make a beautiful redwood Wish Box to take home. Experience the joy of working with wood as you assemble your own Wish Box. Learn about growing employment in construction trades as well as careers in the photovoltaic industry and electrical utilities, all of which offer excellent pay. Please wear close toed shoes and avoid wearing hanging jewelry. Professors: Bob Viscar & Steve Geiger, Room H-2 Construction Shop

### **Drafting & Engineering Support**

Are you interesting in using 3-Dimensional Computer modeling to design new products? Visit us and learn how to design and model 1 or 2 products using SolidWorks software, which is an industry standard. You'll take home a photo rendering print of your 3D design, as well as a heart-shaped box built on a 3D printer. Professor: Alison Salome, Room V-318.

### **Engineering**

Are you interested in exploring ways to design solutions to problems and make things work better all over the world? In the engineering lab, participate in crushing concrete cylinders in a compression device to determine the strength and material properties of cores that were cured in various conditions. Engineers use the same technique to assure that bridges, skyscrapers and dams are safe. Find out more about what you can do with Civil, Chemical, Mechanical and Electrical engineering. Please wear long pants and close toed shoes. Professor Phillip Pattengale, Room S 105.

### **Mechatronics**

Are you interested in working with automated equipment that helps people work and play? Visit us and learn how mechanics and computer-controlled equipment work together to keep businesses running. Mechatronic jobs are everywhere - ski lifts, food manufacturing plants, water treatment facilities, underwater robots, railroads, ATMs and entertainment (like Cirque du Soleil). You'll make an LED flashlight and shine a light on your career options. Professor: Michael Halbern and Instructional Assistant Alysia Lopez, Room V-108.

### **Welding**

Are you interested in creating and working with metal? Discover how welding skills could take you all over the world to work in highly paid and interesting careers in agriculture, aerospace, construction, oil & gas exploration, off-road sports and art. In the lab, you'll make a candle holder by bending copper petals into shape, assembling to hold the candle and then flash heating the copper to change the color. You'll also get to try welding on a piece of steel. Please wear long pants, a long sleeved shirt and close toed shoes. Instructor: Bill Wenzel, Room H-6.