

## Girls in Engineering -- Session 1

April 10, 2019

Dear Campers,

Welcome to the UC Berkeley College of Engineering! We are delighted that you are part of our *Girls in Engineering* program. Berkeley Engineering has a proud tradition of excellence, and we are pleased that you are now a part of our Berkeley family. This program is designed to give you an overview of the tremendous ability engineering has to advance society and effect positive change for the public good. Taught by UC Berkeley faculty, staff and students, this program offers the opportunity to work in teams and learn through hands-on activities about many types of engineering—from computer coding to building robots. We hope you make long-lasting connections with your fellow campers, mentors, and professors and catch some of the Golden Bear spirit while you are here on campus.

This Welcome Packet contains important information about our program. Please review this information carefully and then have your parent or guardian complete the online registration form by May 1, 2019. (Payment due dates are listed on Page 7.) If you have any questions, or need additional information about the program, please contact Lizzie Hager-Barnard at [gie@berkeley.edu](mailto:gie@berkeley.edu) or 510-643-0694.

You are our future leaders and innovators, and we can't wait to introduce to you the variety of activities we offer here in the College of Engineering. We hope you will be inspired to pursue a rewarding course of study in engineering, math, or science as you advance in your academic and career goals.

We look forward to meeting you on Monday, June 17!

Warmest regards and Go Bears!

Lizzie Hager-Barnard  
Program Director,  
UC Berkeley: Girls in Engineering



Claire Tomlin  
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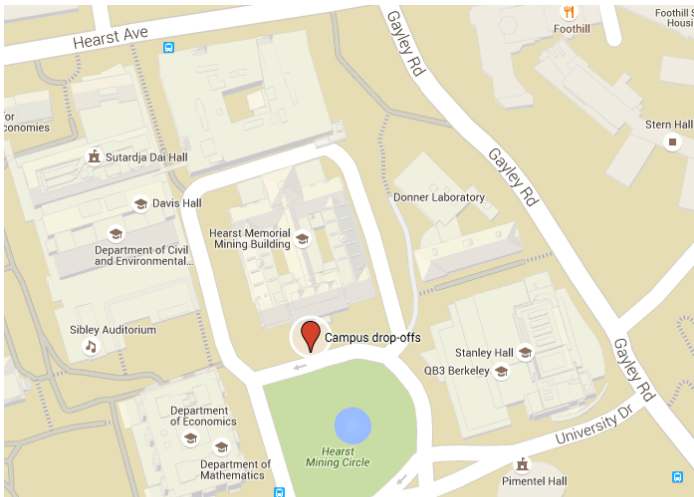
## Drop-off/pick-up information

### Pick up/drop off location:

The pick-up/drop-off location for GiE is the Hearst Memorial Mining Building. This building is located on the north side of Hearst Mining Circle, near the East Gate campus entrance (please see map below).

Program staff will be available to check your child in and out of camp from **8:30 – 8:45 am** each morning and from **4:30 – 4:45 p.m.** each afternoon. Program staff will be standing outside Hearst wearing “Girls in Engineering” shirts. Please arrive on time so that we can adhere to the packed schedule of activities.

*Due to space constraints, parents/guardians and siblings will not be able to participate in camp. However, friends and family are welcome to join us for the Team Presentations and Reception on Friday afternoon (see page 4).*



As described above, the drop-off / pick-up location is the north side of the Hearst Mining Circle. The red drop-pin in the map on the left shows this location. (Google map link:

<https://goo.gl/maps/vIWEcGV7DGP2>)

If you arrive early to campus and wish to park, the closest public parking is on Gayley Road. More information about public parking at UC Berkeley can be found at <http://pt.berkeley.edu/parking/visitor>

### Late arrivals / early pickups

We spend much of our time away from our main camp room, visiting other locations on campus. In addition, campers are actively participating in group activities until immediately before dismissal. As a result, it's very important that we minimize late arrivals and early pickups, and that you notify us of any special arrangements at least one day in advance. We appreciate your attention to this request, as it helps camp run more smoothly.

## Camp Schedule

The camp schedule is shown below. Please note, this schedule has *not* been finalized and some scheduled activities may change. Most camp activities will occur in Room 290 of the Hearst Memorial Mining Building (HMMB), but we will also visit other campus locations.

## Girls in Engineering -- 2019

| Jacobs Days   |   |                                   |                                  |  |   |
|---|---|-----------------------------------|----------------------------------|--|---|
|   | MONDAY  | TUESDAY                           | WEDNESDAY                        | THURSDAY                               | FRIDAY  |
| 8:30 – 8:45 AM                                      | Drop-off                                      | Drop-off                          | Drop-off                         | Drop-off                               | Drop-off  |
| 8:45 – 9:30 AM                                      | Breakfast                                     | Breakfast                         | Breakfast                        | Breakfast                              | Breakfast   |
| Engineering Leadership: Communication & Team Skills |   |                                   |                                  |  |   |
| 9:30 – 10:15 AM                                     | Welcome & Introduction: What do Engineers Do? | Design Thinking                   | Presentation Skills              | Scavenger Hunt                         | Team Project Workshop   |
| 10:15 – 11:00 AM                                    | Team Project Workshop                         | Team Project Workshop             | Team Project Workshop            |  |   |
| 11:00 – 11:15 AM                                    | Snacks and break                              | Snacks and break                  | Snacks and break                 | Snacks and break                       | Snacks and break  |
| Design Innovation: Hands-on Learning                |   |                                   |                                  |  |   |
| 11:15 AM – 12:30 PM                                 | Exploring Engineering: Meet an Engineer!      | Bioengineering                    | Introduction to Computer Science | Self-Driving Cars                      | Clean Water   |
| 12:30 – 12:45 PM                                    | Transfer to lunch                             | Transfer to lunch                 | Transfer to lunch                | Transfer to lunch                      | Transfer to lunch   |
| 12:45 – 1:45 PM                                     | Lunch   | Lunch / Jacobs Tours              | Lunch                            | Lunch                                  | Lunch   |
| 1:45 – 2:00 PM                                      | Transfer to afternoon session                 | Transfer to afternoon session     | Transfer to afternoon session    | Transfer to afternoon session          | Camp surveys  |
| Tours & Laboratory Experiences                      |   |                                   |                                  |  | Prepare for Team Presentations  |
| 2:00 – 3:45 PM                                      | Lab Tour & Workshop: Robotics                 | Prototyping and Design Innovation | Computer Programming Projects    | Lab Experiments: Materials Engineering |   |
| Team Building Experiences (Random teams)            |   |                                   |                                  |  | (3:00 - 4:30pm)<br>Team Presentations & GiE Celebration<br><br>**Sibley Auditorium, Bechtel Center* |
| 3:45 – 4:15 PM                                      | Team Building / Design Challenge              | Team Building / Design Challenge  | Team Building / Design Challenge | Team Building / Design Challenge       |   |
| 4:15 – 4:30 PM                                      | Wrap-up                                       | Wrap-up                           | Wrap-up                          | Wrap-up                                |   |
| 4:30 – 4:45 PM                                      | Pick-up                                       | Pick-up                           | Pick-up                          | Pick-up                                | Pick-up   |

# ***Girls in Engineering*** **Team Presentations** **and Celebration**

**Friday, June 21, 3:00 – 4:30 p.m.**

**Sibley Auditorium**

**Bechtel Engineering Center, UC Berkeley**

Please save the date for the Girls in Engineering *Team Presentations and Celebration*!

Family and friends of our Girls in Engineering participants are invited to join us for this fun event on Friday, June 21, from 3:00 to 4:30 p.m. This event will take place on the UC Berkeley campus and free, reserved parking will be available. When completing your registration form, please indicate whether you plan to attend and whether you would like reserved parking. We hope that you will be able to attend!

If you have any questions, please contact Lizzie Hager-Barnard at [gie@berkeley.edu](mailto:gie@berkeley.edu) or 510-643-0694.

## Menu

We will serve breakfast, a morning and afternoon snack, and lunch each day. Example meals/snacks are shown below:

### **Breakfast**

Assorted sliced bagels served with cream cheese and butter  
Fruit salad  
Orange juice & milk

### **Morning and afternoon snack**

Selection of items, such as: string cheese, pretzels, or pita chips

### **Lunch:**

Deli sandwiches (vegetarian option available)

### When completing your registration form:

- Please let us know if your daughter would like vegetarian options
- Please let us know if your daughter has any food allergies

### **Important information regarding food allergies:**

We cannot guarantee that menu items and food products do not contain trace amounts of peanuts, gluten, eggs, dairy, seafood or other allergens, because peanuts or these other allergens may come into contact with these food products during the production or manufacturing processes.

If your child has food allergies, please contact Lizzie Hager-Barnard ([gie@berkeley.edu](mailto:gie@berkeley.edu) or 510-643-0694) to discuss available options.

## What to bring and wear

### What should I bring?

- **Excitement** to learn, an open mind, a **great attitude** and a **desire** to make new friends.
- Any necessary personal items or medications.
- We usually eat snack and lunch outside, weather permitting. We try to choose locations that include a shady area, but you might like to wear **sunscreen** or bring sunscreen and/or a **hat**.

### What not to bring?

- Personal electronics (laptops, tablets, iPods, etc.). **Cell phones are OK, but must be turned-off and stored during camp.**
- There are no lockers to store personal items, so be sure to keep items of value with you at all times.
- We will provide you with a binder, paper, pencils, and a water bottle, so you don't need to bring these items.

### What should I wear?

- Please wear **closed toed shoes** and **long pants** each day, as these are required when visiting certain locations at UC Berkeley. Please do not wear shorts, skirts, or dresses.
- Upon check-in, you will be given two **"Girls in Engineering" t-shirts to wear to camp every day.**
- UC Berkeley is a large campus, so you will do a lot of walking—**wear comfortable shoes.**
- As mentioned above, we spend time outdoors, so you might consider wearing **sunscreen** or bringing sunscreen and/or a **hat**.

*(We are not responsible for lost or damaged items, including all electronics)*

## Registration Process

Your daughter **IS NOT** fully registered for camp until you have submitted her camp registration form, the camp fee or Scholarship Agreement form, and, if applicable, your daughter's health information. Follow the steps below to complete your daughter's registration.

If your daughter's registration form or camp payment is not submitted by the due date, your daughter may forfeit her spot and be transferred to the waitlist.

Note: links to the Registration Form, payment page, Scholarship Agreement, and Health Form are available at <http://girlsengineering.berkeley.edu/2019welcomepackets/>

### **STEP 1            Complete the camp registration form (see page 8 for more info)**

Due date: May 1

*If you need to submit a camp fee, continue to STEP 2A.*

*If your daughter received a full scholarship, skip STEP 2A and go directly to STEP 2B.*

### **STEP 2A            Submit the camp payment through Aventri (see page 9 for more info)**

Due date for deposit: May 1                      Due date for remaining balance: May 18

*If you choose to initially pay only part of the camp fee, instead of the full payment, you are responsible for submitting the remaining balance by May 18.*

### **STEP 2B            Complete the Scholarship Agreement form (see page 9 for more info)**

Due date: May 1

*If you have health information to report, continue to STEP 3. If not, you have completed the process.*

### **STEP 3            Submit your daughter's health/medical information (see page 8 for more info)**

If you have health information to report, you will need to complete the GiE health form and mail it to us.

Due date: May 11

### **HIGH SCHOOL VOLUNTEERS:**

Please complete Step 1, and, if necessary, Step 3. (There is no fee for volunteering.)

## Completing the online registration form

Once you have reviewed all of the information in this packet, please complete the online registration form. The link for this form is: <https://berkeleygie.wufoo.com/forms/r1wb1gpo18wqbqe/>

Since the registration form **cannot** be saved and completed later, we encourage you to have the following information ready before you start completing the form. The online form will ask you for a variety of information, such as:

- The contact information of an Emergency Contact (this person cannot be one of your daughter's parents or guardians)
- Whether you plan to attend the Team Presentations and Celebration, and whether you want us to reserve a free parking spot for you

### Carpooling list

When you complete the online GiE registration form, you will have the option of joining our carpooling list. This list will be posted on a password-protected website. If you choose to join this list, your daughter's camp session will automatically be posted, but no contact information will be posted unless you tell us to. So, for example, you could choose to post your e-mail address and zip code. Alternatively, you could choose to only post your phone number.

## Submitting health information:

If you have health information to report, please complete the GiE Health Information form, available here: <http://gie.berkeley.edu/wp-content/uploads/GiE-Health-History-Form.pdf>

**Due date: May 11**

Please complete and mail form to the address provided on the form.

If you have any questions, or you need us to mail you a copy of the form, please contact Lizzie Hager-Barnard at [gie@berkeley.edu](mailto:gie@berkeley.edu) or 510-643-0694.



## Submitting the camp payment

UC Berkeley uses Aventri to process payments. Please go to <https://www.etches.com/gie2019camps> to submit your camp payment.

*(If your daughter received a full scholarship, no payment is due, and you do not need to use Aventri. Similarly, there is no fee for high school volunteers, so volunteers' families do not need to use Aventri.)*

### Deadlines for submitting the camp fee:

- A \$100 *non-refundable* deposit is due on **May 1**.
- The balance of the camp fee (\$500) is due on **May 18**.

You will be able to download an invoice after submitting your payment.

UC Berkeley's Tax ID#: 94-6002123

**REMINDER:** *If you choose to initially pay only part of the camp fee, instead of the full payment, you are responsible for submitting the remaining balance by May 18. If the full camp payment is not submitted by May 18, your daughter may forfeit her spot and be transferred to the wait list.*

If you have any questions, please contact Lizzie Hager-Barnard at [gie@berkeley.edu](mailto:gie@berkeley.edu) or 510-643-0694.

## Submitting the Scholarship Agreement

If you received a scholarship, please complete the GiE Scholarship Agreement, available at:  
<https://berkeleygie.wufoo.com/forms/r10vqckj1jig4o6/>

**Due date: May 1**

If you have any questions, please contact Lizzie Hager-Barnard at [gie@berkeley.edu](mailto:gie@berkeley.edu) or 510-643-0694.

## GiE 2019 Sponsors

We'd like to thank all of our wonderful sponsors! Our program would not be possible without them.

*We are especially grateful to our 2019 Premier Sponsors, Qualcomm and Micron!*

*Premier  
Sponsors*

