

UC Berkeley Marvell Nanofabrication Laboratory

Summer Internship Program for High School Girls

What is the Nanofabrication Lab?

The [Nanolab](#) is a research facility at UC Berkeley where researchers in engineering and science develop next generation electrical devices that go into integrated circuits - IC's, also known as silicon chips); design and fabricate MEMS - Micro-Electro-Mechanical Systems - tiny devices that have all kinds of applications, from airbag sensors in cars to probes that are used in the human brain; and synthesize and integrate new nano materials - to be used in energy and environmental technologies.

What will I do in this internship?

You will assist Nanolab staff engineers in making monitoring runs on processing equipment and analyzing data. Some of your tasks will be things you do every day; others will vary according to what your supervisor needs at a particular time. You may also have computer work.

What else will the internship include?

- Before beginning work, you will have to attend a one-day orientation and safety seminar for all new lab users.
- Someone to guide your learning day-to-day.
- Your own special project.
- At the end of the 7 weeks, you will make a presentation summarizing your work, describing the skills and concepts that you learned from the internship experience
- Experience that will be useful to you in college classes and future research opportunities.

What qualities do I need to have?

- Interested and proficient in science and math.
- Junior high school girl, 16 or over.
- Able to work on your own.
- Able to ask when you need guidance.
- Have taken chemistry.
- Live within a commuting distance from UC Berkeley.

When does the internship happen?

June – August, each year, pending funding.

4 days/week (Hours are somewhat flexible.)

Start Date Wed 17Jun2015

End Date Fri 14Aug2015

Will I be paid?

You will receive a stipend, the amount of which is determined each year by available funding.

What do I have to do to apply?

You, the applicant, should send an e-mail to: Bill Flounders, Ph.D. NanoLab Executive Director, bill at eecs.berkeley.edu , indicating interest. Be sure to include a resume.

Then, ask your chemistry teacher to e-mail a letter of recommendation to bill at eecs.berkeley.edu.

Update Jan 12, 2015

There was once again an overwhelming application response to the Berkeley NanoLab Summer Internship Program. Applications are no longer being accepted for Summer 2015. If you submitted an application and received a confirmation email, your Letter of Recommendation is due by Feb 28, 2015.

B.F.

Jan 12, 2015