

GIRLS in ENGINEERING

ACADEMIC ENRICHMENT PROGRAM FOR MIDDLE SCHOOL GIRLS



**Program Dates:
June 20 - June 26, 2010**

Renewable energy, robotics, and nanotechnology are some of the exciting topics middle school girls will get hands-on exposure to during the Girls in Engineering program, a unique introduction to engineering at the UCSC Jack Baskin School of Engineering. The program enables young women to imagine themselves as future engineers and explore science, technology, engineering, and mathematics (STEM) academic and career pathways. Students learn about a variety of engineering topics through fun activities, including:

- Build and program a motorized robot
- Construct bridges, parachutes, and tower prototypes
- Meet women engineers
- Tour research labs at the engineering school
- Travel on a fun field trip
- Explore the UCSC campus and experience college life
- Learn how to prepare for college
- Explore engineering career options
- Learn about other STEM opportunities, such as COSMOS, MESA & science fairs

Apply Today!

Application Deadline: April 2, 2010

Middle school girls in 7th and 8th grades from across Santa Cruz, Santa Clara and Monterey Counties with strong mathematics skills are encouraged to apply. Preference will be given to students currently enrolled in Algebra I. About 30 students will be accepted into Girls in Engineering at no cost; room and board at the UCSC campus will be provided.

(Application form on reverse)

Questions?

Contact (831) 459-1766 or gie@ucsc.edu

<http://epc.ucsc.edu/gie>

STUDENT INFORMATION

Name: _____
School: _____ Grade: _____
Mailing Address: _____
City/State: _____ Zip Code: _____
Phone: _____ Email: _____

Level of math completed and grade earned in 2009-10 school year: _____
Current math teacher's name: _____

ACTIVITIES AND INTERESTS

Please list up to three activities that you are part of, and briefly describe your participation in each activity. You may include formal (e.g. science fairs, clubs) and informal activities (e.g. special project, volunteer).

- (1) _____
- (2) _____
- (3) _____

STATEMENT OF INTEREST

What excites you about math? Why would you want to spend a week this summer studying math and engineering? Write one complete paragraph (maximum 150 words).

COMPUTER/ROBOTICS EXPERIENCE

Please describe any experience you have with robots, programming or computers. Do you have a computer in your home? (This information will not be used when evaluating applicants for the program.)

Parent/Guardian Signature Required for Participation: _____

** Please have one math or science teacher submit a recommendation for you. Download the recommendation form at <http://epc.ucsc.edu/gie> **

Mail completed applications with recommendation letter to:

Girls in Engineering Program
UCSC Educational Partnership Center
2901 Mission Street Ext., Suite A
Santa Cruz, CA 95060

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