What is Hi-GEAR: Girls’ Engineering Abilities Realized?

The University of Utah, College of Engineering is pleased to offer the Annual Hi-GEAR Program, a special week-long event for female high school students. Hi-GEAR will be held June 17–21, 2013 from 9:00 am until 4:30 pm each day.

Hi-GEAR is designed to expose students to a variety of engineering and computer science careers with hands-on experiential learning and collaborative team projects. Some past activities include: building trebuchets for launching water balloons, making perfume using distillation, programming and racing robots, extracting DNA, and touring University research labs. Participants interact with Hi-GEAR mentors (female college engineering students, female faculty and staff) who guide them through this program. Participants will also have the opportunity to earn scholarships to study engineering as a college student at the University of Utah!

Who can participate?
We are seeking enthusiastic female high school students who are currently in 9th, 10th, 11th or 12th grades. Applicants should enjoy math and science and be interested in exploring their academic potential (while having fun in the process). Unlike other programs, the Hi-GEAR experience is designed with each individual participant in mind. In addition, each student receives on-going, personal attention from program staff and interns. Therefore, a maximum of 24 students will be selected to participate. Students will be selected from a personal statement and teacher/advisor recommendation, with consideration for school representation and student background.

What is the cost? Is transportation provided?
Due to generous funding, the program fee is $85 for day campers. A limited number of scholarships exist for students unable to pay the program fee. Please do not send payment with the application. Payment will be made upon confirmation of acceptance into the camp.

Hurry! Application deadline is Friday, June 1, 2013
(Participants will be selected on an ongoing basis as applications are received by our office)

Hi-GEAR is sponsored by:
University of Utah
College of Engineering, Office of Outreach & Diversity
72 S Central Campus #1603, Salt Lake City, UT 84112
Phone: (801) 581-8954
Email: dschoenfeld@coe.utah.edu
Hi-GEAR 2013
Application Instructions

How to apply:

1. Student should complete the enclosed application form and write a personal statement addressing why they would like to attend Hi-GEAR. Personal statement should not exceed two pages (may use single or double space)

2. A Teacher, Counselor, Mentor or Advisor must complete the nomination form, recommending the student and commenting on their qualifications to participate.

3. Request a copy of your high school transcript or make photocopies of your most recent report cards for the last two (2) semesters/terms. Please note: We ask for this information to simply determine what classes you have taken so far.

4. Please submit all application materials (including sealed nomination form) in one packet.

3. Please save the “program description” for your reference. Return the application form, nomination form, personal statement, and report cards/transcript to:

   Office of Outreach and Diversity
   University of Utah
   College of Engineering
   72 S Central Campus Drive #1603
   Salt Lake City, UT 84112
   Fax: (801) 581-8692  Phone: (801) 581-8954
   Email: dschoenfeld@coe.utah.edu

Application and materials must be postmarked by June 1, 2013
2013 Hi-GEAR Application Form

Student’s Name:__________________________________________________________
Gender:________________________
Street Address:____________________________________________________________
City, State and Zip:__________________________________________________________
Phone:________________________ Email:________________________________________
School:____________________________________Current year in school:__________
Cumulative G.P.A.___________(Please submit copy of transcript or most recent report card)

Highest Math Level Completed
________________________________________________________

Highest Science Level Completed
__________________________________________________________

Do you plan to take calculus before graduation? □ Yes □ No □ Unsure
Please list science, engineering or math clubs/competitions/programs you have participated in, and any awards/scholarships you have received. Attach additional sheet if necessary._________________
______________________________________________________________________________
______________________________________________________________________________

Please list any work, internship, or extracurricular activities you are currently involved in. Attach additional sheet if necessary.______________________________________________________________
______________________________________________________________________________
______________________________________________________________________________
What kind(s) of engineering are you most interested in (check all that apply):
- Biomedical
- Chemical and Fuels
- Materials Science
- Civil
- Mechanical
- Don’t know
- Electrical
- Computer Engineering
- Other?
- Environmental
- Computer Science
- Please specify: ____________

What specific questions about engineering, the University of Utah, or college life do you have?
____________________________________________________________________________________
____________________________________________________________________________________
____________________________________________________________________________________
____________________________________________________________________________________
____________________________________________________________________________________

Do you anticipate difficulty with transportation? □ Yes □ No
Do you anticipate difficulty paying for the program Fee? □ Yes □ No

**Personal Statement:** On a separate page, please explain (do not exceed two pages) why you would like to participate in Hi-GEAR this summer.

**Please sign below** to indicate that you give permission to have your child’s name, address and academic information released in order to be considered for this program.

Parent/Guardian: __________________________________________________________
Date: ______________
2013 Hi-GEAR Nomination Form
(to be completed by teacher, counselor, advisor or mentor)

Student Name:______________________________________________________________

Teacher/Advisor/Mentor Information:
Name:_____________________________________________________________________
Title:______________________________________________________________
SchoolOrganization:________________________________________________________
Subjects taught (if applicable):_______________________________________________
Email address:__________________________________________Phone:____________________

Please share your reasons for recommending this student for Hi-GEAR. Comments on this
student’s motivation, maturity, interest and ability in math/science would be helpful. You
may attach a separate letter if you prefer.

Are you aware of any reasons why this student might have difficulty participating in this
program (i.e. financial limitations, family circumstances, transportation or other logistics,
etc.) . You may attach a separate letter if you prefer. If so, please explain so we can offer
assistance if necessary.

**Please return nomination form to the applicant in a sealed envelope.**
University of Utah – College of Engineering – (801) 581-8954 – dschoenfeld@coe.utah.edu