INTRO TO ENTERTAINMENT ARTS AND ENGINEERING

- June (specific dates to be announced)
- 9AM to 5PM
- Cost: $200 per Week
- For 9th – 12th Grade Students

Students Design and Build a Digital Character of their choice for games, animations or machinima. The Entertainment Arts and Engineering Summer Program (EAESP) in computer graphics for high school students combines theory with practical projects, enabling students to understand computer graphics at a high level. The EAESP will introduce high school students to the concepts of 3D modeling, texturing, rigging, animation, and rendering, using some of the most advanced software in the industry such as Autodesk Maya and Adobe Photoshop.

Register online:  http://www.cs.utah.edu/camps/eaeprogram/

HI-GEAR

- June 18-22, 2012
- 9:00 am – 4:30 pm
- Cost: Day Campers $75
  - (Scholarships available—based on financial need)
- For 9th – 12th Grade Girls

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. Past activities include building structures to withstand over 10,000 lbs, making perfume using distillation, programming and racing robots, extracting DNA, building rockets, building radios and engineering tours of Lagoon. Participants interact daily with female engineering college students who guide them through the program.

Registration online:  www.coe.utah.edu/k12/programs

5TH ANNUAL EXPLORING ENGINEERING CAMP: BIO-INNOVATION

- June 26-28, 2012
- Cost: $60
  - Lunch is included
  - Fee waivers available to qualified applicants
- For High School Students

Bio-Innovation is a leading force in the changing face of medicine, scientific discovery, our environment and economic growth. To innovate is to create or change process, product, technology or ideas in a new and substantial manner. The goal for all engineers is to work together to promote better living conditions for the world’s citizens while limiting their
footprint on the environment. Students who attend the 5th Annual Exploring Engineering Camp will explore many disciplines of engineering and their individual innovations. Join us along with other high school students, researchers, and students from the University Of Utah College Of Engineering for our 5th Annual Engineering Camp.

This 3-day summer camp experience will give participants an exposure to technologies and activities that encourage the use of problem-solving skills. Students will enjoy experiences in Chemical, Electrical, Civil and Environmental, Computer, Mechanical, Materials, and Bioengineering as they get a chance to “try on engineering” and see if it could be a good fit for them!

Registration Deadline: June 15th, 2012
Register online through Youth Education Summer Programs under Science and Math

**GREAT CAMP**
- **Dates:** Six one-week camps in June and July (specific dates to be announced)
- **Cost:** varies

The GREAT summer camps are aimed at kids who want to unleash their creativity while learning about computer graphics, robotics and programming by making games, animations, and robots.

**GREAT-Elementary:** A week-long camp for entering 4th, 5th, and 6th graders which uses a fun programming environment called Scratch to make animations and games. No prior experience is necessary. This camp runs from 9AM-noon, M-F. A snack is provided.

**GREAT-Middle school:** A week-long camp for entering 7th, 8th, and 9th graders which uses a 3D programming world called Alice for 3D animations and games, followed by building and programming LEGO Mindstorms robots to compete in various challenges. This camp runs from 9AM-3PM, M-F. Lunch is provided.

**GREAT-Advanced Robotics:** A week-long camp for entering 10th, 11th, and 12th graders. Campers will build wacky or useful machines that react to the world and to people using embedded computers, sensors, and motors. This camp runs from 9AM-3PM, M-F. Lunch is provided.

**GREAT-Advanced Programming:** A two-week-long camp for entering 10th, 11th, and 12th graders. Campers will learn the popular Python programming language and use it to write games by themselves and in groups. This camp runs from 9AM-3PM, M-F. This camp is aimed at students who show some interest in or aptitude for computers, programming, or math. Lunch is provided.