Calling all Roboteers!

TEMPLE UNIVERSITY
ELECTRICAL AND COMPUTER ENGINEERING

AN ENGINEERING PROGRAM
FOR HIGH SCHOOL STUDENTS
SUMMER 2016

INTRODUCTION TO ELECTRICAL
AND COMPUTER ENGINEERING

Learn how to build programmable mobile robots and compete with other high school students in the Delaware Valley and get a great introduction to a college program in Electrical and Computer Engineering.

JULY 5th, through AUGUST 4th, 2016

TEMPLE MAIN CAMPUS: Engineering Building, 1947 N. 12th Street

Tuesday, Wednesday, Thursday: 9:30-12 noon

This program will introduce students to some of the basic concepts of electrical and computer engineering. It will also provide extensive laboratory experience where the students will build autonomous, programmable mobile robots also give a good overview of the different specialties within the fields of electrical and computer engineering. Topics to be covered are:

1. Electrical components: Resistance, capacitance and electromagnetic induction coil.
2. Electronic components and integrated circuits: Diodes, transistors, operational amplifiers and timer circuits.
3. C-language programmable Arduino microcontrollers, photoresistors, infrared sensors and ultrasonic transmitters.

The program requires no homework or exams. Temple professors, graduate and undergraduate students will instruct you every step of the way in the state of the art electronics laboratory. The first link below will guide you to a webpage that describes the program and in the lower right-hand corner are two links for the flyer and for the application form. The next link for the actual summer program just click on the schedule link and you will see what we do on an everyday basis. If you have any questions don't hesitate to call me or e-mail me at the numbers below. Also the administrative assistant who helps run the program is Ms. Carol Dahlberg, and she can be reached at 215 204-7597 or at eegrad@temple.edu. This program has been running for over 25 years and last year we had 27 students from all over the Delaware Valley, an excellent turnout, and we hope to do the same again this year. Again thank you for your interest.

http://engineering.temple.edu/summer-programs/robotics
https://sites.google.com/a/temple.edu/temple-summer-robotics/home

COST
$550

Deadline for returning application form is MAY 13th, 2016.

FOR MORE INFORMATION:
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