Do you like to Teach and Mentor?

Want to introduce high school girls to EECS?

Work this summer as a Residential Tutor for WTP-EECS!

We need female MIT students (or recent graduates) to live in the dorm with the high school students and help teach ONE of the following subjects:

- Electrical Engineering,
- Computer Science,
- OR Math for EECS

(You don’t have to be a Course 6 major!)

You get pay, plus housing and food!

2018 Summer Dates:  June 11 - July 27

Visit https://tinyurl.com/wtpeecsstaff to apply
Make A Difference: Teach for WTP this summer!

The MIT Women’s Technology Program (WTP) is a four week summer experience to introduce top math and science high school girls to engineering and computer science. Many WTP alumnae are now MIT students; others are studying engineering and computer science at other colleges, so this program really makes a difference and sparks their interest in these fields! View this YouTube video https://tinyurl.com/WTPMIT to learn more about WTP!

Residential Tutor Job: Women’s Technology Program in EECS - 2018

The EECS curriculum introduces students to computer science, electrical engineering, and mathematics topics related to EECS. Tutors assist in one of the class subjects: EE, CS, or Math. They work as TAs in weekday class sessions, lead evening and weekend office hours, and live in the dorm with the high school students. We need 3 or 4 Tutors for each subject below (course descriptions are from the 2017 summer curriculum, and may change slightly for 2018):

**Computer Science:** an intensive introduction to thinking computationally and programming in Python, with challenging conceptual exercises and daily programming assignments. Topics include the basics of computer science (variables, lists, loops, functions, and classes), the use of tools such as Git and the command line, and introduces graphics, machine learning, and web programming. Although the students arrive at WTP with no prior programming experience, by the end of the third week they complete several projects, such as a hangman game and a fully functioning game of Tetris.

**Electrical Engineering:** introduces several core topics in electrical engineering, including analog electronics, system theory and signal processing, device physics and semiconductors, and digital electronics. Short lectures, readings, and homework prepares students for daily hands-on labs exploring real-world applications of electrical engineering, with emphasis on experimentation, design, and troubleshooting. Students complete several complex projects, which change each year, such as an infrared heartbeat monitor, a dye-sensitized solar cell, and Arduino microcontroller projects.

**Mathematics for EECS:** covers a range of math concepts, ideas and tools applicable to electrical engineering and computer science, and focuses on thinking critically and learning problem-solving. Topics change each year, but may include binary numbers, set theory, introductory abstract algebra, linear algebra, game theory, probability, information theory, and cryptography.

**Requirements:** Residential Tutors must be current female undergraduates (or recent graduates) of MIT or Wellesley. The best Tutors have a dedication to mentoring and teaching and enthusiasm for EECS that they want to communicate to younger women.

It is important that you have NO other responsibilities or jobs June 11 – July 27, 2018.

More job and 2018 schedule details are at: Tutor_2018_WTP-EECS_Info https://tinyurl.com/TutorJobDesc

This job requires true commitment and dedication…

…but it is also lots of fun and very rewarding!

To apply, visit the WTP-EECS Staff page:
https://tinyurl.com/wtpeecssstaff