GROW (Greater Boston Research Opportunities for Young Women)

- Dates: July 2 – August 10, 2018
- Grade Level: Young women enrolled in a high school within 30 miles of Boston who will be entering their senior year in fall 2018

GROW offers young women in high school the opportunity to perform research in a lab at Boston University for six weeks. Participants will work in their labs from 9:30-4:30 (M-F) and have the opportunity to participate in cutting edge research in a collaborative setting. They will also hear from guest speakers, take field trips, and develop communication skills by presenting their research at a culminating symposium. Participants who complete all program requirements will receive a stipend of $1500 at the conclusion of the program. For more information, please visit: www.bu.edu/lernet/grow

Summer Pathways in Science and Engineering

- Dates: July 13-20, 2018  (M-F from 9:00 am to 3:00 pm)
- Grade Level: Young women from greater Boston and MA high schools who will be entering their junior or senior year in fall 2018

Summer Pathways is a seven-day residential program that gives young women the opportunity to live in a BU dorm and also discover the infinite possibilities that await them in science and engineering. Participants learn about current research in science and engineering, as well as careers in these fields from women working in them. A combination of field trips, hands-on activities, a taste of college life, valuable advice from career and college admissions experts, plus plenty of good old-fashioned fun makes Summer Pathways a unique educational experience. Included in the 2018 summer program is an overnight on Thompson Island where participants will experience a series of team building exercises and have opportunities to personally challenge themselves. For more information, please visit: www.bu.edu/lernet/spathways
The Artemis Project

- Dates: July 9 – August 10, 2018 (M-F from 9:00 am to 3:00 pm)
- Grade Level: Young women enrolled in 8th grade in a MA school. Priority will be given to students in Boston and within a 15-mile radius of the city.

Artemis is a five-week summer program for rising 9th grade girls focused on computer science. Participants learn computer languages such as Scratch, AppInventor, HTML, CSS, and Python. They also are introduced to robotics, cryptography, artificial intelligence, and circuits. In addition, they learn how computer science is applied in the real world by hearing from guest speakers and going on field trips. BU undergraduates who are majoring in Computer Science or Engineering lead the program. There is no tuition, but a nonrefundable registration fee of $100 is required of all participants once they have been accepted into the program. Lunch is included each day. For more information, please visit: www.bu.edu/lernet/artemis

Codebreakers

- Dates: July 10– August 4, 2017 (M-F from 9:00-3:00)
- Where: BU College of Arts & Sciences
- Grade Level: Female students entering 10th or 11th grade at a school in greater Boston area in fall 2018
- Deadline for applications: May 1st, 2018

Codebreakers is a program for young women who are currently either freshmen or sophomores in high school and who are interested in learning about computer security. Graduate and undergraduate coordinators will teach participants how to apply basic security concepts through gaming, modeling, and simulation development. Students also will learn to program in python, as well as about robotics, digital forensics, cryptography, system vulnerability and cyberethics. During the program participants also will investigate exciting careers by visiting a local facility and hearing guest speakers from state, local and federal agencies and professionals. Lunch is included each day. There is no tuition, but a nonrefundable registration fee of $100 is required of all participants. For more information and to apply, go to www.bu.edu/lernet/cyber