STEM CAMP 2014
(Science, Technology, Engineering and Mathematics)

Monday, July 28 - Friday, August 1, 2014
9 a.m. - 4 p.m., Mulroy Hall

Onondaga Community College’s STEM Camp focuses on science, technology, engineering, and mathematics with a half-day spent in the classroom setting and a half-day exploring STEM applications in the industrial setting.

In the classroom, students will learn the brand new LEGO® MINDSTORMS® EV3 robotics programming software. The EV3 Intelligent Brick makes it possible to control motors, collect sensor feedback, and enables Bluetooth and Wi-Fi communication, programming, and data logging. Students will work in teams to design a robot and then assemble it using motors, sensors, gears, wheels and axles, and other technical components. Students solve problems and gain practical, hands-on experience using mathematical concepts, such as estimating and measuring distance, time and speed.

The second part of STEM Camp consists of daily field trips to local companies that incorporate science, technology, engineering or math into their organizational operations. Previous corporate partners have included: Lockheed Martin, National Grid, Schneider Packaging and Equipment, Welch Allyn, Time Warner Cable, Byrne Dairy, St. Joseph’s Hospital, The Post-Standard, and Onondaga County Sheriff’s Bomb Squad.

This camp is designed for students who love math and technology!

Students will be required to wear long pants and closed-toe shoes for the field trips, and should be prepared to walk distances and climb stairs. Certain tours require wearing special safety equipment and are conducted in tight spaces. A photo ID will be required at field trip sites.

Tuition: $300
Instructor: Scott Stagnitta
Registration begins May 1, 2014

Open to high school students entering grades 9-12. You must register for both class and field trips. There is a limit of 10 students per section. Section 001 is open to boys; Section 002 is open to girls.

Registrations will be accepted by mail, fax, email, or in person. No online registration. Camp information and all the required forms will be posted to the web in March. Questions can be sent to lifelong@sunyocc.edu or call 498-6000.