



INSTITUTE OF MATHEMATICS EDUCATION, RESEARCH, AND INSTRUCTIONAL TECHNOLOGY

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SUNY College of Old
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To: Parents of Alumni and Current Students enrolled in The Institute of Creative Problem Solving.

From: Arthur L. Kalish
Director of the Institute of MERIT
Mathematics Education, Research, and Instructional Technology

Subject: Robotics Engineering Class for Eighth and Ninth Grade Students

Date: March 20, 2021

The Institute of MERIT is proud to offer our extended Robotics Engineering program for the fall of 2021. This course is aimed at students who are interested in designing, building and programming robots. It is only available to students who have successfully completed the ICPS program and who will be in grade 8 or 9 in September 2021. Students are expected to attend each of the 12 sessions.

This is a challenging and motivational learning experience driven by the students' own intelligence, invention, and inspiration. We are planning lots of fun filled activities that will develop critical thinking and team-building skills. Classes will combine applications in science, technology, engineering and mathematics, the basic STEM concepts.

This hands-on course will introduce students to computer programming and robotics. Students will be working in small groups with an open-source electronic prototyping platform called Arduino. This software allows each participant to write their own programs and then upload them to the electronics board. Participants will learn about sensors and actuators and understand differences between digital and analog signals. At the completion of the program students will be allowed to take home their SnappyXO robotic kits in order to continue their education.

The program will consist of 12 sessions, starting in September, and continuing through the end of December. No classes will be held on Thanksgiving weekend. Each session will take place on Saturday morning from 9 AM to 11:30 AM at SUNY College at Old Westbury, if possible. If we are not allowed back on campus, all classes will be held virtually using ZOOM.

The 12 Saturday dates for 2021-2022 will be the following:

September 18, 25
October 2, 9, 16, 23, 30
November 6, 13, 20
December 4, 11, 18 (snow day make-up class)

I am very excited to be able to offer your child this wonderful opportunity at a tuition fee of \$400. If you and your child are interested in applying for this program, please complete the enclosed application and mail it to us as soon as possible. Class size is limited to 24 participants. Students will be admitted on a first come, first served basis.

Sincerely,

Arthur L. Kalish

INSTITUTE OF MERIT
in conjunction with
**THE INSTITUTE OF CREATIVE PROBLEM SOLVING FOR
GIFTED AND TALENTED STUDENTS**

Application for Robotics Engineering Course

At this time, SUNY College at Old Westbury is closed to non-essential employees. Please complete the entire form (print clearly or type answers) and mail it to the address shown below. In addition, you may email it to kalisha@oldwestbury.edu in order to return it immediately.

**You must mail the original completed form along with your check for \$400 to the address below.
Class size is limited so students will be accepted on a first come first served basis.**

Students Name: _____

Address: _____

Phone: _____

Email: _____

Year enrolled in ICPS: _____ Grade Group (check one): 5/6 7/8

Grade as of September 2021: 8 9 Check one: Male Female

Name of school attending in September 2021 _____

Parent Signature _____

Are you currently enrolled or have you ever taken a robotics class? If your answer is yes, please describe your experience.

In your own words, please explain why you would like to participate in this robotics engineering program. Feel free to continue your statement on additional pages.

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