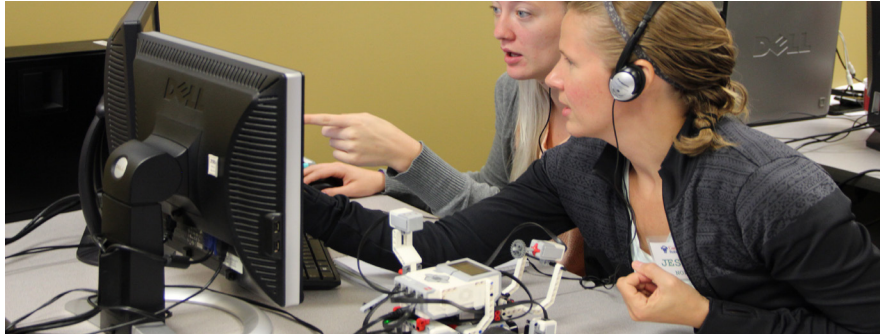


LEGO EV3 TEACHER TRAINING

Onsite Classes - Summer 2021



Learn how to use the Lego EV3 and the EV3 Classroom App to teach Science, Technology, Engineering & Math (STEM) concepts in your classroom



TUITION

\$1099 course registration fee includes on site training and use of Robotic Academy's computers, robot kits, curriculum and programming software during the week. You do not need to purchase any hardware or software for this course.

LOCATION

National Robotics Engineering Center (NREC), part of the Carnegie Mellon University Robotics Institute, a world-renowned robotics research and commercialization center.

DATES/ SCHEDULE

Robotics Academy Certified Training for Lego EV3:

June 28th - July 2nd, 2021

All classes are Monday - Thursday 9:00am - 4:00pm EST. Friday class ends at noon. Lunch is provided Monday through Thursday. Other meals, transportation & lodging not included. Several local hotels offer shuttle service to NREC. See website for more details.

This course focuses on learning how to program the new LEGO MINDSTORMS EV3 robot, and how to navigate the new EV3 software. The course also covers how to use robotics as an organizer to teach CS-STEM (Computer Science, Science, Technology, Engineering, and Mathematics) concepts.

Our courses are designed around the National Research Council Next Generation Science Standards (NGSS), Common Core Mathematics Standards (CCSS), the College Board Computer Science Principles (CSP) Framework, and the International Technology and Engineering Educators Association (ITEEA) Standards. Attendees will have the opportunity to earn professional development credits and a Certificate of Completion by completing various assignments throughout the course.

This course is best suited for teachers and coaches with little or no programming experience who would like to learn both the fundamentals of EV3 programming and pedagogy associated with the accompanying STEM concepts. However, teachers with programming and robotics experience will find the class valuable for its focus on the EV3 language specifically, practice in troubleshooting student errors, and STEM integration aspects.

Carnegie Mellon
Robotics Academy

For more information, call **412.681.7160**
or visit www.cmu.edu/roboticsacademy
email: cmra@nrec.ri.cmu.edu