

# Mechatronics 101 Workshop

*A workshop for Secondary and Post Secondary Educators new to Mechatronics and Smart Manufacturing*

**THURSDAY March 9, 2023**

Hillsborough Community College, Brandon  
Campus, Tampa, Florida  
10451 Nancy Watkins Dr., Tampa, FL 22619  
BSS Room 215  
9:30 am-4:00 pm



This hands-on workshop will introduce faculty, administrators, and counselors to an entry level Mechatronics course (Concepts of Electronics) taught to high school students at a distance in Nebraska and Minnesota. It is the first of 4 courses being designed to deliver to high school students. Attendees will learn best practices for delivering technical coursework online, assemble a trainer, and perform lab exercises designed for high school or college students.

All participants will take their finished trainer (valued over \$300) home and be asked to create a lab with the trainer to share with other workshop attendees and the NCNGM and iMEC communities. A parts list and related curriculum will also be made available.

**Teams from high schools and state/community colleges are encouraged to attend.**

**The workshop is FREE, lunch will be provided, and attendees will take their trainer home to use in their own classrooms.**

Questions? Contact: Marilyn Barger ([Marilyn.barger@flate.org](mailto:Marilyn.barger@flate.org))

## WORKSHOP TOPICS

- Overview of the project
- Dual enrollment strategies
- Share best practices working with high schools
- Building trainers from components
- Review web curriculum
- Labs and videos
- Complete the trainer



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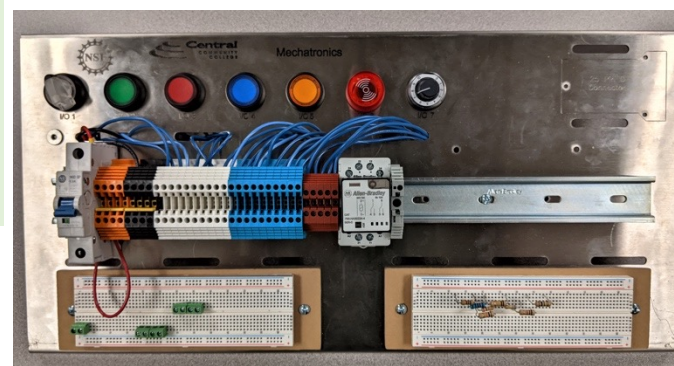
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