

STEM 360 – Growing Opportunities in Changing Environments

NYSSEC 2022 Summer Institute

Tour Options

Preregistration required.



Visit the **Alfred Farmers Market** on Sunday, July 24 from 11:30 AM – 3:00 PM
For more information, visit alfredfarmersmarket.com

Tour Session 1 – Sunday, July 24, 2022 – 1:00 - 2:30 PM

Tour A – Alfred State College – Cleanroom Tour (1.5 PD)

Gather and meet Aric Bryant at **SLC 3rd floor** at 12:55 PM

The Clean Laboratory facility houses a clean room for advanced device, microstructure, and circuit development. Within the lab are state-of-the-art instruments for designing, fabricating, characterizing, and testing complex micro-scale structures and devices in microelectromechanical systems (MEMS) and microelectronics.



Tour B – Alfred State College – Agriculture Automation and Robotics Tour (1.5 PD)

Gather and meet Phil Schroeder at **SLC 3rd floor** at 12:55 PM

The Alfred State Organic farm laboratory boasts the latest agricultural automation and robotics technology. See the robotic milking machines in action and the organic farm which is designed to prepare students to enter the workforce as leaders in the industry.

Tour Session 2 – Sunday, July 24, 2022 – 3:00 - 4:30 PM

Tour C – Alfred State College – Microgrid Tour (1.5 PD)

Gather and meet Tim Cochran at **SLC 3rd floor** at 2:55 PM

The Power Systems Laboratory contains professional trainer modules that simulate the latest power system engineering technology. Micro Grid systems play a huge role in the design and operations of smart grid systems that are quickly assisting us each with energy management and controls within our homes and businesses. View the system modules that include Micro Grid Stand-alone operation and Isolated Parallel grid operation as well as Energy Management modules.



Tour D – Alfred University – Ceramic & Glass Labs Tour

(1.5 PD)

Gather and meet the Alfred University representative
at **SLC 3rd floor** at 2:55 PM



Alfred University
OUTSIDE of ORDINARY



Tour Session 3 – Sunday, July 24, 2022 – 6:00 - 9:00 PM



**Tour E – Kent Beer in Andover, NY
Brewery Tour with STEM Trivia (2 PD)**



A bus will loop the campus and pick up registered participants
at the various campus bus stops. The loop starts at Shults Hall
at 5:45 PM and ends at the stoplight bus stop.

****Complimentary Bus Service sponsored by NYSUT****

Tour Session 4 – Tuesday, July 26, 2022 – 8:30 - 10:55 AM

Tour F – Alstom Manufacturing Facility Tour - Hornell, NY (2 PD)

Gather and meet at **SLC 3rd floor** at 8:30 AM

****Complimentary Bus Service sponsored by Workforce Development Institute****



Not your grandfather’s factory! See modern manufacturing and the skills your students will apply in the workplace. Alstom is a mobility technology leader in the U.S. with sustainable, high tech engineering jobs. It specializes in transit systems, including those for railroads and airports. Tour will include the manufacturing floor and line to show the many different jobs and skills levels involved in production.