**Maryland Center for Environmental Training (MCET) – College of Southern Maryland**

**Water and Wastewater Operator Training**

[Schedule of Classes (mcet.org)](https://www.mcet.org/schedule/index.html)

**Courses:**

**Plant Optimization**      
Cost: $149  
Length: 7 hours

Date: TBD  
Course Description: In this time of increasing budget constraints, the operator (superintendent) needs to have some tools available for cost cutting and process optimization while still meeting all permit parameters. Students will study example budgets, learn how to minimize energy use and costs, develop methods to minimize chemical use and costs, and examine how labor and contract costs contribute to budget expenditures. Students should bring a process flow diagram from their facility (or be prepared to draw one). If a line-item budget from the student's facility is available, students should also bring that to class.

**Pumps, Motors, and Controls**   
Cost: $149  
Length: 7 hours  
Date: TDB

Course Description: Appropriate operations of the pumps and their maintenance are critical to keeping water and wastewater systems up and running daily. This training will give the participant an introduction to the theory and operation of the various pumps used in water and wastewater systems. In addition to an overview of basic pump hydraulics and pumping systems, there will be discussions on centrifugal pump operation, components, maintenance and troubleshooting.

**Virtual Classroom Requirements:**

Equipment Requirements

* An internet connection - broadband wired or wireless (3G or 4G/LTE)
* Computer (or tablet)
* Speakers and a microphone
* A webcam or HD webcam
* Access to Zoom

Other Requirements

* All students in virtual classes are required to have a camera and a microphone.
* Refunds will not be issued for failure to meet technology requirements. It is the student/client's responsibility to ensure technology requirements are met prior to registration.
* The exam and course survey will be given virtually during the class through Jotform, an online application. Access to Jotform is required.
* The exam must be taken in the designated time frame to ensure credit for the class.
* The final grade, certificate, and TRE information will be shared instantly and via email after exam completion.