



Coagulation & Flocculation Webinar Description

Coagulation and flocculation are critical processes that directly impact water clarity, solids removal, and overall treatment performance in both drinking water and wastewater systems.

This course provides a practical, chemistry-based understanding of how and why these processes work—moving beyond theory into real-world application. Participants will learn how to destabilize colloidal particles, optimize chemical selection, and improve floc formation for enhanced settling and dewatering.

The training covers the full range of coagulants, including aluminum, iron, calcium, and organic coagulants, along with polymer-based flocculant aides. Emphasis is placed on process control, jar testing, dosage calculations, mixing energy, and troubleshooting common operational challenges.

Drawing on over three decades of field experience, the instructor will share practical insights, case studies, and proven strategies for improving performance, maintaining compliance, and reducing chemical costs.

This course is designed for operators, supervisors, and engineers who want to strengthen their understanding of treatment chemistry and gain tools they can immediately apply in their facilities.