

Wastewater Management



Certificate: Wastewater Basic Operations Course

North Country Community College is offering the 90-hour Basic Operations course this September at the Saranac Lake campus.

The course will be presented in 10 modules by both wastewater operator experts and wastewater engineers and will incorporate in-person presentations, laboratory training, and supportive elements on our learning platform.

The in-person classes will include visits to local wastewater treatment facilities and some virtual opportunities.

An extensive supportive math element is included as part of the training, to help the students understand the formulas needed to run a wastewater facility.

The cost of the program is grant funded and fees are covered in full and is offered free of charge, including books.

Classes will be held on Fridays and Saturdays beginning September 22, 2023, from 8 a.m. to 5 p.m.

To register: <https://nccc.edu/wastewater-management/>

Students who successfully finish the Basic Operation course will satisfy a prerequisite to take the ABC exam, and depending upon their experience and education level, will be able to begin their journey to become a certified wastewater operator.

There are many openings for wastewater operators at the local, regional, and national level. The average starting salary in New York State for wastewater operators is in the range of \$52,000 annually.

Wastewater Basic Operations Course Modules

(Each module is approx. 8 hours)

1. Intro to wastewater treatment **[Sept 22]**
2. Preliminary and primary wastewater treatment **[Sept 23]**
- 3A. Secondary wastewater treatment process pt. 1 **[Sept 29]**
- 3B. Secondary wastewater treatment pt. 2 **[Sept 30]**
- 4A. Advanced wastewater treatment pt. 1 suspended growth **[Oct. 7]**
- 4B. Advanced wastewater treatment pt. 2 activated sludge **[Oct 13]**
- 4C. Advanced wastewater treatment pt. 3 **[Oct 14]**
5. Disinfection and effluent disposal **[Oct 20]**
6. Solids management **[Oct 21]**
7. Equipment and support systems **[Oct 27]**
- 8A. Monitoring and regulation requirements **[Oct. 28]**
- 8B. Lab procedures and computer applications **[Nov. 3]**
9. Management and supervision of plant operations **[Nov 4]**
10. Final exam, Next steps, preparing for the ABC exam and beyond **[Nov. 18]**