

ENVIRONMENTAL TRAINING (ETC)

ETC 101. Basic Op Wastewater Treatment. (4 Credits)

This course is designed to meet the requirements of New York state sanitary code part 650.4 relative to the training required to receive a New York state wastewater operator's license. The course includes fundamental concepts of wastewater treatment, laboratory procedures in process control, operational strategies for various methods of treatment, personnel management, development of in-plant safety and equipment maintenance programs, and public relations. 4 credits (short course, 60 contact hours) scheduled 4 times yearly, TBA

ETC 102. Basic WW Laboratory Procedures. (1 Credit)

This course is designed to meet the requirements of New York state sanitary code part 650.4 relative to the training required to receive a New York state wastewater operator's license. Topics covered include basic wastewater chemistry, an overview of the principles of chemistry and laboratory techniques and safety. The course is comprised primarily of laboratory exercises used to teach and provide practice with important laboratory tests and techniques. Prerequisite: ETC 101 1 credit (short course, 24 contact hours) scheduled 4 times yearly, TBA

ETC 200. Activated Sludge WW Treatment. (1 Credit)

This course is designed to meet the requirements of New York state sanitary code part 650.4 relative to the training required to receive a New York state wastewater operator's license. The course includes an activated sludge process overview, modifications and variations, process control testing and calculations, nitrification, and process troubleshooting. Approximately half of the course is held at nearby treatment facilities. Prerequisite: ETC 101 1 credit, (short course, 24 contact hours), scheduled 5 times yearly, TBA

ETC 210. Grade 3 Supervision. (3 Credits)

This course is designed to meet the requirements of New York state sanitary code part 650.4 relative to the training required to receive a New York state wastewater operator's license. Topics covered include training skills, safety and health programs, budgeting, supervisory management, and public relations. The course is comprised primarily of group exercises used to teach and allow practice with vital supervisory skills and techniques. Prerequisite: ETC 101 3 credits (short course, 30 contact hours) scheduled 2 times yearly, TBA

ETC 300. Grade 4 Management. (2 Credits)

This course is designed to meet the requirements of New York state sanitary code part 650.4 relative to the training required to receive a New York state wastewater operator's license. Topics covered include residuals handling and beneficial reuse, effluent toxicity, comprehensive plant evaluation and troubleshooting, treatment plant design and construction, tertiary treatment and other advanced operations topics. Prerequisites: ETC 101, ETC 102, ETC 200 and ETC 210 2 credits (short course, 30 contact hours), scheduled 2 times yearly, TBA