Wastewater Operator Certificate Program

**Classes begin Fall of 2018**
Classes run two nights per week for Fall of 2018 and Spring of 2019

Join the field of Wastewater Treatment as an Operator and obtain your certification as a licensed operator or earn continuing education units to maintain an existing certification.

**We'll Help You Get There With...**
- Instructors who are certified operators and/or subject-matter experts
- Class size of 30 students or fewer
- Engaging classroom experiences
- Field trips to better understand treatment processes discussed in class
- Access to DEP Exam sitting in Fall and Spring

**Program Description**
Edinboro University offers a 180-hour certificate program designed to prepare new operators for licensing in the high demand field of wastewater treatment operators. The program curriculum is approved by the Pennsylvania Department of Environmental Protection (DEP) and prepares students for the DEP's Operator Certification Exams. Combining this program with work at a local treatment facility will prepare participants for licensing.

**How You Will Learn**
The EU Wastewater Operator Program combines course work, onsite visits to facilities with classroom components, interactive class discussion with current certified operators, out of class assignments, and exams.

**Career Outlook**
- Current workforce nearing retirement age
- Wastewater Treatment Operators are in demand
- Expected 2% employment increase in Pennsylvania from 2018 to 2022
- Starting salary near $29,900*
- Average salary of $43,700 per year*

*Onetonline.org

**Admission Requirements**
- Be a graduate of an approved secondary school or hold a high school equivalency diploma (GED®)
- Have a commitment to attendance, program requirements, academic honesty and student responsibilities.

**To Learn More**
Please contact:
Edinboro University Department of Continuing Education
zewe@edinboro.edu
814-732-1250

www.edinboro.edu/porreco-college/certificates
FALL 2018

Component 1: Intro to Wastewater Treatment - 18 Hours
- Introduction to Wastewater Treatment
- Fundamentals of Wastewater Treatment
- General Math
- General Chemistry

Component 2: Collection System - 18 Hours
- Wastewater Collection System I and II
- Infiltration and Inflow/Wet Weather
- Pumps and Hydraulics
- Intro and Advanced Flow Meter

Component 3: Core Requirements - 18 Hours
- Applied Biology
- General Safety
- Ethics and Regulations
- Chemical Feed Systems

Component 4: Miscellaneous Topics - 18 Hours
- Energy Efficiency
- SOP Preparation/NPDES Permit
- Discharge Monitoring Reports
- Administration of Treatment Plants
- Industrial Pretreatment

Component 5: Laboratory and Maintenance - 18 Hours
- Wastewater Laboratory Basics and Trouble Shooting
- Treatment Plant Maintenance and Trouble Shooting

SPRING 2019

Component 6: Treatment Types - 18 Hours
- Ponds and Lagoons
- Trickling Filter Process
- Rotating Biological Contactors
- Introduction to Activated Sludge

Component 7: Land Applications and Solids - 18 Hours
- Land Application of Wastewater
- Solids Handling and Disposal
- Biosolids Overview and Field Trip

Component 8: Activated Sludge - 18 Hours
- Activated Sludge Math
- Activated Sludge I and II

Component 9: Activated Sludge - Nitrification and Denitrification - 18 Hours
- Activated Sludge III and IV

Component 10: Advanced Topics - 18 Hours
- Sequential Batch Reactor
- Disinfection and Chlorination
- Effluent Filtration
- Advanced Wastewater Treatment

Cost for the full 180-hour certification program for 2018-2019 is $2,400.
Cost for each 18-contact hour module is $285.
Does not include cost of DEP Licensing Exam.