

Spring 2011

Wastewater Treatment Technology

Enrollment in the one-semester certificate program in Wastewater Treatment Technology increases an applicant's chance for employment and promotion in the field. In most states, operators must pass an examination to certify that they are capable of overseeing wastewater plant operations. This certificate program is designed to help students prepare for state certification. Students must complete 17 hours for this certificate. Potential enrollees must complete Crowder's standard entrance exam and test into the appropriate college-level courses in mathematics. An additional requirement includes taking the DNR certification exam and reporting the score to Crowder College.

Orientation 1 hour		
COLL	101	
Wastewater Treatment Technology Core Courses: 16 hours		
ERC	132	Wastewater Lab (2)
ERC	142*	Basic Wastewater Treatment (3)
ERC	225	Water/Wastewater Pumps & Motors (2)
ERC	231	Land Application of Waste (2)
ERC	234	Wastewater Internship (2)
ERC	253	Hydraulics (3)
ERC	298	Wastewater Collection Systems (2)
Total Hourly Requirement:		17 hours

*Prerequisite requirement

Fall 2011

Water Treatment Technology

Enrollment in the one-semester certificate program in Water Treatment Technology increases an applicant's chance for employment and promotion in the field. In most states, operators must pass an examination to certify that they are capable of overseeing water plant operations. This certificate program is designed to help students prepare for state certification. Students must complete 17 hours for this certificate. Potential enrollees must complete Crowder's standard entrance exam and test into the appropriate college-level courses in mathematics. An additional requirement includes taking the DNR certification exam and reporting the score to Crowder College.

Orientation 1 hour		
COLL	101	
Water Treatment Technology Core Courses: 16 Hours		
ERC	124	Water Lab (2)
ERC	140*	Basic Water Treatment (3)
ERC	141	Water Distribution (2)
ERC	221	Chlorine & Disinfection (2)
ERC	224	Water Internship (2)
ERC	225	Water/Wastewater Pumps & Motors (2)
ERC	253	Hydraulics (3)
Total Hourly Requirement:		17 hours

*Prerequisite requirement

Fall 2011

Utility Management

Enrollment in the one-semester certificate program in utility management increases an applicant's chance for employment and promotion in the field of municipal water and wastewater systems. In most states, operators must pass an examination to certify that they are capable of overseeing water treatment, water distribution, and wastewater system operations. This certificate program is designed to help students manage municipal water and wastewater system, and prepare for higher levels of state certification. Students must complete 17 hours for this certificate.

Orientation 1 hour		
COLL	101	
Utility Management Core Courses: 16 hours		
ERC	222	Utility Management (2)
ERC	260	Computer Use Water/Wastewater (2)
ERC	272*	Advanced Water Treatment (3)
ERC	271*	Advanced Wastewater Treatment (3)
ERC	280	Water Source Planning, Design, & Management (3)
ERC	281	Stormwater Management (3)
Total Hourly Requirement:		17 hours

*Prerequisite requirement