

New Mexico WIA Training Provider

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Provider: C78 Water Technologies Training Institute, a division of David H. Paul, Inc.

Program Key: 4768 **Program:** Water Quality & Wastewater Treatment

Optional Title: Advanced Water Treatment Program

Category: Occupational Skills Training

Type: Certificate Program: at least 2 but less than 4 full-time equivalent academic years

Total Hours of Instruction -- Contact Hours: 480 **Credit Hours:** 48

Total Fees: 11,996.00

Eligible For Pell Grants: NO **Application Pending:** NO

Apprenticeship Program: NO **Registration Pending:** NO

Program Description: This program prepares students to successfully obtain high-paying jobs in both industrial and drinking water facilities that use advanced water treatment. Graduates are prepared to work in conventional water treatment plants and can assist conventional plants in transitioning to advanced water treatment. Utilize a multimedia approach. Classroom lectures, textbooks, videos, demonstrations, computer-based training, labs, and hands-on equipment operation are all integrated to ensure an interesting and effective learning experience. Prepares students for the Sacramento Certification Exam. Job Services provides a resume builder and a job-search resource.

Skill Set: Operate and maintain industrial, municipal and wastewater treatment plant facilities. Collect a variety of water samples and conduct appropriate tests. Operate plant equipment and appropriate vehicles. Monitor and operate lift stations. Operate office equipment including computers. Communicate clearly and concisely, both orally and in writing. Understand and follow oral and written instructions. Work independently in the absence of supervision. Establish and maintain effective working relationships with those contacted in the course of work. Maintain mental capacity which allows the capability of making sound decisions and demonstrating intellectual capabilities. Maintain physical condition appropriate to the performance of assigned duties and responsibilities. Maintain effective communication with others, reading, writing and operating assigned equipment.

Occupations in Demand: Water & Liquid Waste Treatment Plant & System Operators Customer Service Representatives

Employer Support:

Entry Level Requirements: High school diploma or GED

Preparation for Certification or Registration: YES

Type: Advanced Water Treatment Specialist ;2 Additional Certificates end of each year

Name: David H. Paul, Inc.

Preparation for Licensure: YES

Type: Class 1

Name: New Mexico Systems Water Operator Certification

Continuing Education Units Offered: NO

Class Size: Minimum 5 Maximum 25 Average 10

Instructor to Student Ratio: 5 : 1

Instructor Qualifications: 1. Bachelor's degree in a science discipline and minimum of 5 years of water treatment experience or a Graduate of the Advanced Water Treatment Program or Graduate of DHP's Water Treatment Certification Program and minimum of 5 years of water treatment experience. 2. Proven teaching ability

Equipment to be Used: The AWTP training facility consists of the following: 1) classroom Projection screen Overhead projector LCD projector Dry-erase boards Student desks Student chairs Instructor desk Instructor chair 2) Water analysis lab: Titration setups, pH meters, conductivity meters, ORP meters and other equipment to perform: Total Hardness Alkalinity Free Chlorine Total Chlorine pH Conductivity ORP Sulfate Silica

Turbidity 3) Computer-based-training lab: All the hardware and software required for students to use the 63 computer-based training modules that are part of the AWWP. 4) Water Plant area: 2 fully operational Reverse Osmosis-Deionization (RODI) units 2 fully operational Pretreatment skids 2 fully operational Chemical Cleaning skids Silt Density Index measuring instruments All ancillary equipment required to operate and maintain the equipment

Equipment to Student Ratio: 2 : 1

Detailed Cost Information (per participant)					
Tuition and Required Fees			Related Program Expenses		
Tuition (in-state)		\$10,502.05	Tuition (out-of-state)		
	Type	Cost		Type	Cost
Required Fee	Books	\$1200.00	Other	WTPO Vol. 1	\$75.00
Required Fee	Equipment	\$	Other	WTPO Vol. 2	\$75.00
Required Fee	Supplies	\$	Other	Keller Safety M	\$15.00
Required Fee	Tools	\$	Other	Safety Glasses	\$8.95
Required Fee	Uniforms	\$	Other		\$
Required Fee	Processing	\$100.00	Other		\$
Required Fee	Application	\$20.00	Other		\$
Required Fee		\$	Other		\$
Total Tuition and Required Fees		\$11,996.00	Total Related Program Expenses		\$

Outline of the Program: basic hand tools, equipment, chemical injections, safety, troubleshooting of water treatment systems, piping , instrumentation diagrams. Hands-on experience with pumps, valves, gauges and meters. Membrane technologies theory, process and equipment of membrane water treatment systems, troubleshooting skills. On-stream analysis for measurement of silica, organic compounds, ions, particles, and microorganisms. Operation, monitoring, troubleshooting of membrane pretreatment equipment, multimedia filters, activated carbon beds, prevention of scaling, fouling, and chemical attacks. Procedures and techniques identifying, correcting membrane unit problems, probing, profiling, element replacements, element autopsies, chemical cleaning, computer software for trend analysis. Principles of ion exchange, including ultraviolet irradiation units, final filters, minimization of dead legs and disinfection.

Methodology Used:

Reporting Period -- Begin Date: 3/27/08 **End Date:** 3/27/09

Participants: 25

Completion Rate: 90%

Employment Rate: 80%

Hourly Placement Wage: \$20.00

Completion Rate of WIA Participants: NA

Employment Rate of WIA Participants: NA

Placement Wage of WIA Participants: NA

Wage at 6 Months of WIA Participants: NA

New Query



Send comments or questions regarding this page or **WIA** to us via [e-mail](#).