

INFORMATION TECHNOLOGY



NETWORK ADMINISTRATOR CERTIFICATE

18 credits

This program answers a need in the local region from educational and financial institutions as well as small business for people with the basic skills to effectively manage microcomputer networks. SUNY Ulster is designated as a Regional Academy for Cisco Systems training and a member of the Microsoft IT Academy program, and students have a choice in which training they wish to pursue.



A+ FAST TRACK

The fundamentals part of this course helps candidates prepare for the CompTIA A+ Essentials exam, which covers computer technology, networking, and security, and validates the communication skills and professionalism required of all entry level IT professionals. The advanced part of the course helps students prepare for the CompTIA A+ Practical Application exam. Students must pass both exams to earn the CompTIA A+ certification. **Instructor: K. Landers**

IT215-0926CT T/R 9/26-11/7 5:30-9pm CT \$637



NETWORK+ FAST TRACK

The course addresses the latest skills needed by technicians, such as basic principles on how to secure a network. Network+ covers network technologies, media and topologies, devices, management, tools and security. Candidate job roles include network administrator, network technician, network installer, help desk technician and IT cable installer. **Instructor: K. Landers**

IT216-1128CT T/R 11/28-1/16 5:30-9pm CT \$637

WATER & WASTEWATER OPERATIONS

These courses are approved by the NY State Department of Health for pre-certification training. Under Part 5 of the NY Sanitary Code, all NY State Grades A, B, C, and D Water Treatment Plant Operators are required to complete an approved training program as a prerequisite to becoming certified.

Program Director: S. Rider



MATH FOR WATER OPERATORS

Certification as a water treatment plant operator requires the skills presented in this class. This course serves as a refresher to those who may feel intimidated by basic math, algebra, or using formula sheets.

No textbook. **Instructor: S. Rider**

PSP 1520-01 T/R 8/29, 31, 9/5 6-8pm SRC \$129



GRADE A WATER OPERATOR

Topics in this course include operator qualifications and responsibilities, water quality control, coagulation, sedimentation, filtration, pH and alkalinity adjustment, iron and manganese removal, water softening and chlorination, bacteriological laboratory techniques, emergency planning, safety, hydraulics and pumps, process calculations and distribution system operation and maintenance.

PSP 1500-12 T/R 9/7-12/12 6-9:10pm SRC \$1,746
(includes three texts)



GRADE B WATER OPERATOR

This course is designed for operators of plants providing treatment for disinfection by chlorination, iron and manganese removal, corrosion control, emergency planning, safety, hydraulics and pumps, and process calculations are covered.

PSP 1504-08 T/R 9/7-11/14 6-9:10pm SRC \$1,347
(includes three texts)



GRADE C WATER OPERATOR

This course is designed to provide the student with a basic background in the principles and practices of water treatment.

PSP 1507-09 M/W 9/20-11/1 6-9:10pm SRC \$975
(includes two texts)



GRADE D WATER OPERATOR

This course of study is designed for operators of distribution systems serving greater than 1,000 people. Topics include pressure zones, booster stations, storage tanks, fire protection and disinfection.

PSP 1508-08 M/W 11/6-12/4 6-9:10pm SRC \$724 (includes text)

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WATER & WASTEWATER OPERATIONS

Water & Wastewater Operations Occupational Outlook Information

>>>> WHAT OPERATORS DO



- Manage a System of Machines
- Use of Control Boards to transfer or treat water or wastewater
- Monitor Operating Conditions, Meters, and Gauges

>>>> WORK ENVIRONMENT



- Most operators are employed by local governments
- Most work full-time

>>>> HOW TO BECOME A WATER & WASTEWATER OPERATOR



- High School Diploma or Equivalent
- Complete the necessary training
- Complete the requisite approved operating experience
- Demonstrate laboratory proficiency
- Pass the state approved certification exam

>>>> PAY



Median pay 2016 \$45,760. Entry-level wages are often lower than the median.

>>>> JOB OUTLOOK



- Employment is projected to grow 6% from 2014 to 2024.

Source: www.bls.gov

RENEWAL OPPORTUNITIES FOR WATER & WASTEWATER OPERATORS



SU SLUDGE DIGESTION

Presents the components, the theory of operation, and the techniques for gathering and monitoring the data required for the successful operation of anaerobic and aerobic digestion. Approved by the NY DEC for 6.5 contact hours. **Instructor: W. Rice**

PSP 1522-03 W 12/6 8:30-4:30pm KSU \$169

SU MEMBRANE FILTRATION, CBUDSF & RELATED TECHNOLOGIES

This six-hour course will provide several case histories of microfilter and sand filter performance. In addition, application, operations and maintenance aspects of microfilters, sand filters and membrane bioreactors will be covered. Contact hours pending. **Instructor: P. LaFiandra**

PSP 1529-01 T 11/14 8:30-3:30pm SRC \$149

SU GRADE 3 SUPERVISION & TECHNICAL OPERATIONS: TECHNICAL MODULE

The purpose of this one-day module is to train supervisors in the technical operations of the treatment plant. It is intended to go with the supervision home study module Manage for Success. The Technical Operations portion includes the topics of toxic substances, toxicity testing, odor control, multimedia issues, pollution prevention, and nutrient removal. Prerequisite: home-study completion of Manage for Success from Sacramento State Office of Water programs. Enrollment through Sacramento and successful completion of Manage for Success earns 45 contact hours. The Technical Operations Module must be done in the classroom and earns 6 contact hours. Purchase information and enrollment in Manage for Success can be found at: <http://www.owp.csus.edu/courses/management.php> **Instructor: W. Rice**

PSP 1512-07 W 10/11 8:30am-4pm KSU \$169

SU WATER/WASTEWATER & HAZWOPER ONLINE

Environmental Technology Online offers a variety of water and wastewater courses approved by the NY DOH and NY DEC for contact hours as well as hazardous materials training. Hazwoper 8, 24 and 40-hour meet the requirements of 29 CFR 1910.120, OSHA's Hazardous Waste Site Worker and Emergency Response Standard.

For further information call 845-687-5012 or email songayla@sunyulster.edu 