

BUILDING SCIENCE & TRADES

AIR CONDITIONING CERTIFICATION

Become an Air Conditioning Technician with this project-based program toward entry-level basics for residential systems. Specific topics will include HVAC theory, air conditioning systems, heat pump systems, troubleshooting and maintenance of units found in many residential situations. Industry standard examinations are proctored at the end of the session in both R410A certification and Universal EPA 608 certification. Safety glasses are required. Recommended textbook for self-acquisition is: ISBN-13: 978-1305578296 Refrigeration and Air Conditioning Technology, 8th edition and accompanying lab book.

Instructors: J. Henriksen & J. Santiago

TR101-0212CT T/R 2/12-5/14 5:30-9:30pm CT \$1,899

OIL HEAT TECHNICIAN

This course is designed for the beginner with little or no previous experience and combines HVAC theory with hands-on training. This course is useful for homeowners, maintenance personnel, or those seeking employment as an entry level technician. Ulster BOCES is a NORA (National Oil Heat Research Alliance) approved program and follows the NORA curriculum for Bronze level (entry level) technician training. Students will have the opportunity to sit for the NORA certification exam at the end of the program. Safety glasses are required. Instructors: T. Fullman & A. Orton

TR102-0212CT T/R 2/12-28 5:30-9pm CT \$1,999
+ Lab M/W 3/4-5/22 5:30-9pm CT

WELDING CERTIFICATION COURSE

This entry level course will provide the training necessary to sit for the American Welding Society (AWS) shielded metal arc welding entry level certification. Includes instruction in welding safety and health, drawing and welding symbol interpretation, shielded metal arc welding (SMAW), gas metal arc welding (GMAW), flux cored arc welding, gas tungsten arc welding (GTAW), thermal cutting, plasma arc welding (PAC), and welding inspection and testing. Tuition includes personal welding equipment and materials.

WW112-0226CT T/R 2/26-5/7 6-9pm CT \$1,499
WW112-0521CT T/R 5/21-7/18 6-9pm CT \$1,499

AWS STRUCTURAL WELDING EXAM

AWS D 1.1 structural steel, 1" groove weld, 3G and/or 4G

Positions. Proctor: C. Hubert, AWS CWI

Exam fee is \$175 per position, maximum of two.

WWExam-0601CT S 6/1 8:30am-3pm CT \$175



ELECTRICAL APPRENTICE PROGRAM

This five-year program has been designed and developed to meet the mandated requirements for related instruction in the New York State Registered Electrical Apprentice Program. Students will receive in excess of 180 hours of instruction per year for 900 hours over five years while attending class two nights per week from September to June. Classes will offer both theory and hands-on training. Upon successful completion of the entire program, New York State Registered Electrical Apprentices will be qualified as journey-workers.

This program of study is also open to those who are:

Employed in the electrical trade and are not affiliated with a registered employer.

Employed in related trades who wish to expand their skills. Those who desire employment in the electrical trade.

TYPICAL SCHEDULE

1st YEAR COURSES

Sexual Harassment in the Workplace	3 hrs
OSHA	10 hrs
Trade Math	45 hrs
DC Theory	39 hrs
Trade Safety	24 hrs
Residential Wiring I	30 hrs
Residential Wiring II	30 hrs
Electrical Blueprint Reading & Drafting	24 hrs
TOTAL	205 hrs

2nd YEAR COURSES

Work Readiness	24 hrs
AC Theory	39 hrs
Industrial Safety & Labor Relations	21 hrs
Instruments Measuring & Testing	18 hrs
Commercial Wiring I	30 hrs
Commercial Wiring II	30 hrs
National Electric Code	30 hrs
CPR/FA	8 hrs
TOTAL	200 hrs

3rd YEAR COURSES

Welding for Electricians	24 hrs
Transformer Theory & Power Distribution	45 hrs
General Alarms, Fire Alarms, Security Systems	39 hrs
Semi-Conductor Theory	24 hrs
Industrial Semi-Conductor	27 hrs
Electrical Estimating	24 hrs
TOTAL	183 hrs

4th YEAR COURSES

Motor & Generator Theory	39 hrs
Motor Control Theory	39 hrs
Motor Control Wiring & Motor Wiring	15 hrs
Industrial Wiring	30 hrs
Programmable Logic Controls	27 hrs
Grounding & Bonding	30 hrs
Logic Circuits	21 hrs
TOTAL	201 hrs

5th YEAR COURSES

Telecommunications	30 hrs
Fiber Optics	24 hrs
PV Concepts and Systems	40 hrs
PV Installation	40 hrs
Networking	24 hrs
Elective Air Conditioning or Elective Oil Heat	40 hrs
TOTAL	198 hrs

Allied Trades Initial Asbestos Certification 4
Not offered through BOCES

For additional information and to initiate the registration process, call Carolyn Detweiler at 845-331-5050 ext. 3214.

EAP-1920CT • 60 Sessions/190+ hours - \$2,882 per year, and does not include textbooks.

Approved for the Training of Veterans. NYS Education Dept. & NYS Dept. of Labor Approved Program.

M - MONDAY • T - TUESDAY • W - WEDNESDAY • R - THURSDAY • F - FRIDAY • S - SATURDAY • U - SUNDAY