TRADIES

AIR CONDITIONING CERTIFICATION
Study HVAC theory, AC 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. Textbook for self-acquisition is: Refrigeration & Air Conditioning Technology ISBN: 978-1305578296. Safety glasses are required.
Instructors: J. Henriksen & J. Santiago
TR101-0917CT T/R 9/17-12/12 5:30-9:30pm CT $1,899

OIL HEAT TECHNICIAN
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 Bronze curriculum which includes training in electrical theory, introduction to the burner and oil burner certification and controls. Safety glasses are required. NORA Proctored Exam at conclusion of training.
TR102-0917CT T/R 9/17-10/3 5:30-9pm CT $1,999
+ Lab M/W 10/7-12/18 5:30-9pm CT

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 limited hands-on training. Upon successful completion of the entire program, New York State Registered Electrical Apprentices will be qualified as journey workers. This program has been designed and developed to meet the mandated requirements for related instruction in the New York State.

TYPICAL SCHEDULE
1st YEAR COURSES: TOTAL 205 hrs
- 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

2nd YEAR COURSES: TOTAL 200 hrs
- 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

3rd YEAR COURSES: TOTAL 187 hrs
- 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
  - Asbestos Awareness 4 hrs

4th YEAR COURSES: TOTAL 201 hrs
- Motor & Generator Theory 30 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

5th YEAR COURSES: TOTAL 198 hrs
- Telecommunications 30 hrs
  - Fiber Optics 24 hrs
  - PV Concepts and Systems 40 hrs
  - PV Installation 40 hrs
  - Networking 24 hrs
  - Elective Air Conditioning 40 hrs
  - or Elective Oil Heat 40 hrs

*Allied Trades Initial Asbestos Certification 4*
Not offered through BOCES

WELDING CERTIFICATION COURSE
This entry level course will provide the training necessary to sit for the American Welding Society shielded metal arc welding entry level certification (SENSE Testing). Includes instruction in welding safety & health, drawing and welding symbol interpretation, shielded metal arm 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. AWS D1.1 testing fees are extra.
WW112-0909CT M/W 9/9-11/20 6-9pm CT $1,499
WW112-0917CT T/R 9/17-11/26 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 $199 per position, maximum of two.
WWExam-1214CT S 12/14 8am-2:30pm CT $199

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.

PROGRAM ORIENTATION
(Including basic adult education assessment in math and reading skills.)
WHERE? Ulster BOCES Career & Technical Center Adult Services • 319 Broadway, Ulster Park (Route 9W, Port Ewen)
845-331-5050, ext. 3214 • cdetweil@ulsterboces.org