



PENNSYLVANIA
PETROLEUM
ASSOCIATION

TECHNICAL TRAINING CENTER

2019 **COURSE DATES**

March 26

PPA Training Center
911B South Eisenhower
Blvd
Middletown, PA 17057
717-939-1781

April 16

F.W. Webb Training Center
1665 E. Race Street
Allentown, PA 18109
484-488-3549

9:00 am –1:00 pm

REGISTRATION FEE:
\$80/PPATEC Member
\$100/Non Member

REGISTER ONLINE AT:
<https://ppatec.com/schedule/>

AC & Heat Pump REFRESHER

This half day seminar is designed for the technician who has limited experience working with air conditioning and heat pump systems. A technician attending this course will review basic refrigeration cycle principles on the theory of removing heat from a conditioned space. Additional principles in latent and specific heat, superheat, sub cooling, pressure/temperature relationships, and heat concentration will also be covered. The seminar will conclude with reinforcement on system components and operation as well as best practices for troubleshooting AC and heat pump systems.

Air Conditioning & Heat Pump Refresher will cover:

- Refrigeration Cycle
- Air Conditioning System Components, Parts, & Operation
- High & Low Voltage Wiring and Schematic Diagrams
- Troubleshooting AC & Heat Pump Systems

Registration fees include the following complimentary items:
Lunch will be provided at conclusion of class

Our Instructor Ed (Eddie) Howell brings over 40 years of industry experience to the PPA technical training program. Ed began his career working for PA based HVAC company for nearly two decades. He has spent the last 25 years at APR Supply which included managing their training efforts for 30+ locations. Ed's training credentials include Nortek TSA, NATE Certified in four disciplines (A/C, HP, Gas Furnace, and Oil & Gas Hydronics), RSES Member, and local OESP Chapter member.