



PENNSYLVANIA  
**PETROLEUM**  
ASSOCIATION

## TECHNICAL TRAINING CENTER

# 2019 COURSE DATES

**April 18**

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

**9:00 am –4:00 pm**

**REGISTRATION FEE:**  
**\$160/PPATEC Member**  
**\$200/Non Member**

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

# HYDRONICS & CONDENSING Gas BOILERS

Previous experience is recommended, but not required to attend Hydronics & Condensing Gas Boilers. The course will discuss sizing a boiler, designing a hydronic system, determining flow rate, static pressure, and piping practices. Field examples such as combustion air, venting, piping configurations, and condensation removal will also be reviewed. This class will improve your skills of properly installing, operating, and servicing boilers.

### **Hydronics & Condensing Gas Boilers will cover:**

- Heat Loss
- Combustion air
- Boiler Sizing
- Venting
- Flow rate
- Service and Maintenance Issues
- System Types
- Piping

**Registration fees include the following complimentary items:**  
Lunch provided

**Our Instructor:** Kurt Massa has decades of HVAC industry experience including positions as an HVAC technician, manager, and instructor. Kurt holds a NORA Gold Certification, is a certified NATE instructor, and has taught various HVACR courses at Delaware County Community College. This combination of field experience as well as years of sharing his knowledge as an educator makes Kurt a great resource for the 2019 PPA technical program.