

# Metro NY Chapter RSES HVAC Training Courses

The Metropolitan New York Chapter RSES will offer the RSES Technical Institute Courses – 1, 2 & 3 on Tuesday & Thursday evenings, **STARTING OCTOBER 8<sup>th</sup>, 2013** in Long Island City, NY

**Dates\*:** For 12 weeks on Tuesdays & Thursdays\*

10/8 & 10/10    10/15 & 10/17    10/22  
10/29 & 10/31    11/5 & 11/7    11/12 & 11/14  
11/19 & 11/21    11/26    12/3 & 12/5  
12/10 & 12/12    12/17 & 12/19    1/7/14 & 1/9/14

\*Dates Tentative – Subject to Change

**Time:** 6:00 PM – 10:00 PM

**Location:** Long Island City High School  
14-30 Broadway  
Long Island City, NY 11106

**Cost for Course 1, 2 or 3:**

\$849.00 for RSES members  
\$949.00 non-RSES members (also includes 1 year membership in RSES)

**Includes:** Technical Institute course manual, course tuition, Certificate of Completion after passing final exam, 72 hours toward NATE Recertification, for those eligible.

Register by calling, mailing or  
Emailing the form below

FOR ADDITIONAL INFORMATION VISIT:

<http://www.metronyrses.org>

or Email: [school@metronyrses.org](mailto:school@metronyrses.org)

or Phone Stan Hollander: 718 232-6679

by Mail: Metro NY Chapter RSES

Attn: Stan Hollander, 1837 61<sup>st</sup> Street, Brooklyn, NY 11204

--Checks and Charges Welcome --

Please make checks payable to "Metro NY RSES"



## TRAINING COURSE OVERVIEWS

### TECHNICAL INSTITUTE COURSE 1

This course begins with a comprehensive introduction to refrigeration and air conditioning. Topics covered include: basic physics, major system components including hermetic, semi-hermetic and open compressors, condensers, evaporators and refrigerant metering devices. It also covers the fundamental concepts of electricity and magnetism as they pertain to resistors, resistance, conductors, power supplies, circuit protection devices and transformers. Detailed information on lessons and content for Course 1 can be found at:

<http://metronyrses.org/ti1.html>

### TECHNICAL INSTITUTE COURSE 2

Beginning with tools-of-the-trade this course covers refrigeration system accessories, desiccants and driers, defrosting methods, refrigeration system controls and piping. It also includes instruction on compressor replacement and system evacuation, electric motors in refrigeration systems, motor capacitors and protectors, thermostats, relays, contactors and starters, test equipment and troubleshooting, pressure and enthalpy diagrams, psychrometrics, heat transfer and estimating heat loads, residential air conditioning, humidification and a review of safety codes. Detailed information on lessons and content for Course 2 can be found at:

<http://metronyrses.org/ti2.html>

### TECHNICAL INSTITUTE COURSE 3

Begins with comprehensive introduction to heat pump theory, including water-source heat pumps. Topics covered include computer-room environmental control, economizers, fans and blowers, air filtration and distribution evaporative condensers and cooling towers, water treatment, multiple-rack systems, hydronics, troubleshooting, controls and controls components, pneumatic relays, typical control applications, and control maintenance. Detailed information on lessons and content for Course 3 can be found at:

<http://metronyrses.org/ti3.pdf>

-----DETACH & RETURN THIS SECTION WITH PAYMENT -- **BE SURE TO KEEP COPY FOR YOUR RECORDS** -----

## REGISTRATION FORM

Name: \_\_\_\_\_ Company: \_\_\_\_\_

Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Email: \_\_\_\_\_ Phone: \_\_\_\_\_

Check / Credit Card Number: \_\_\_\_\_ Exp: \_\_\_\_\_

Name on Credit Card: \_\_\_\_\_

**Which course are you registering for? Technical Institute Course 1, 2 or 3 Choose ONLY ONE** \_\_\_\_\_

Are you a current RSES Member: If Yes, RSES Membership Number: \_\_\_\_\_

Please register early - space is limited.

Check or Credit Card Accepted for Payment

Make check to "Metro NY RSES" and mail w/ registration to: Metro NY RSES, Attn: Stan Hollander, 1837 61<sup>st</sup> Street, Brooklyn, NY 11204

To register by Email submit this form with Credit Card information to [school@metronyrses.org](mailto:school@metronyrses.org)