



Trane University

2013 Course Schedule

Educational and Instructional Training for the HVAC Industry

Training Site Locations and Registration Information:

New York

45-18 Court Square
Long Island City, NY 11101
718-269-3600 Phone
marketingny@trane.com

New Jersey

4 Wood Hollow Rd
Parsippany, NJ 07054
973-434-2101 Phone
marketingnj@trane.com


Long Island

245 Newtown Rd, Ste 500
Plainview, NY 11803
718-269-3506 Phone
limarketing@trane.com

Tracer MP580/581 Installation and Programming

This field-installed controller is well suited for a wide variety of building control applications such as air handlers, cooling towers, pumps, boilers and heat exchangers. Students learn to configure the MP581/581 using the Rover service tool. Topics include point programming, Tracer Graphical Programming (TGP), utilizing the Tracer MP580/581 as a small building controller and integration with Tracer Summit using built-in profile variables and existing library routines. Topics include:

- Rover Service Tool
- MP580 Hardware Layout
- Tracer Graphical Programming (TGP)
- Small Building Networks
- Interfacing Tracer Summit with the MP580



**You can earn 3.5
CEU credits**

**Long Island 7:30 AM– 5:00 PM
February 4-8**


Fee: \$1800 includes per person

Includes: All literature and a full breakfast and lunch

Tracer SC™ Operation

In the Tracer SC™ Operation course, students learn to operate and modify an installed Tracer SC™ system. This highly interactive course includes presentations and hands-on workshops where students practice using the software applications integral to a Tracer SC™ building management system. At the end of this course students are able to:

- Monitor and control building mechanical systems
- Respond to alarm conditions
- Create custom alarms
- Generate reports and data logs
- Create custom time-of-day schedules
- Learn how time-of-day, area, and variable air system applications work together to control your air side systems.
- Respond to hot and cold calls
- Utilize contract documentation to identify control component locations. (Trane control drawings and mechanical prints)



**You can earn
2.6 CEU cred-**

**New York 7:30 AM– 5:00 PM
March 12-14**

Fee: \$1800 per person

Includes: All literature and a full breakfast and lunch

Breakfast with Trane

This worthwhile event is unique to our industry. Please join us to gather and listen to outstanding experts presenting on current topics within our industry.

Topics: To be announced

Dates: March, May and September

Locations: New York, New Jersey and Long Island



**You may be able to earn
CEU credits**

Fee: FREE

Breakfast will be served

To Sign Up:

NY: 718-269-3600 marketingny@trane.com

LI: 631-952-9477 limarketing@trane.com

NJ: 973-434-2101 marketingnj@trane.com

Tracer SC Central Plant Control

Using a typical Trane project, including standard Trane control drawings and typical mechanical prints, the Tracer SC Central Plant Control course provides the student the opportunity to carry out the tasks necessary to configure, troubleshoot and maintain a central plant. Programs will be written to control chilled water, condenser water and hot water systems within the plant. Students will practice using their new found knowledge in hands on workshops using Trane SC® and BACnet® controllers.

At the end of this course, students are able to:

- Identify the major components and functions of central plants including:
 - Chilled water systems
 - Condenser water systems
 - Ice storage systems
 - Hot water systems
- Assess the appropriate locations and application of valves and sensors
- Apply the Tracer SC Chiller Plant Control application
- Integrate TGP2 with the Tracer SC Chiller Plant Control application for:
 - Making ice/burning ice
 - Condenser water setpoint optimization (Tower optimization)
 - Cooling tower fan control
 - Pump sequencing
 - Boiler sequencing



New Jersey 7:30 AM– 5:00 PM

April 10-12

Fee: \$1550 per person (10% off for each registration received at least 60 days before the start of class)

Includes: All literature and a full breakfast and lunch

****Students must have taken Tracer SC Air Systems or Tracer SC/UC Fast Track prior to attending this course.*

Tracer Summit 102

In Tracer Summit 102, students are introduced to the standard applications included with the Summit software through lecture and extensive hands-on workshops. (Tracer Summit 101 is the prerequisite for Tracer Summit 102) (Tracer Summit 102 is the prerequisite for Tracer Summit 103 and Systems Integration, Installation and Commissioning)

The following subjects are covered in this class:

- Area Control
- Variable Air Systems (VAS) [Comm4 and LonTalk]
- Chiller Plant Control (CPC)
- Custom Programming Language (CPL) used in Tracer Summit



New Jersey 7:30 AM- 5:00 PM

October 21-25

Fee: \$1800 per person

Includes: All literature and a full breakfast and lunch

www.tranenynj.com

Air Conditioning Clinic

The Air Conditioning Clinic is a comprehensive battery of 12 classes designed to give an overview of the entire HVAC industry. Each class deals with a specific area of the many disciplines required to successfully design, install and service comfort providing equipment.

The classes are divided as follows:

- Basic Refrigeration Cycle
- Reciprocating and Scroll Compressors
- Refrigerant System Piping
- Psychrometry
- The Cooling Load Estimate
- Variable Air Volume

This course is designed for the newly employed designer/engineer, the servicing technician, and the building operator trying to better understand their systems and also provides a good review for the more experienced student.

Upon completion of the course, the student will have a basic understanding of the various equipment and systems used in providing comfort cooling today, and be able to identify the various components. In addition, basic troubleshooting skills will be enhanced through a better understanding of the manner in which the components relate to each other in a system.



New York 5:30-7:30 PM

April: 2,4,9,11,16,18,23,25,30 May: 2,7 Grad: May 9

Long Island 5:30- 7:30 PM

April: 1,3,8,10,15,17,22,24,29 May: 1,6 Grad: May 8

New Jersey 5:30- 7:30 PM

Jan.: 28 Feb. 4,11,25 Mar: 4,11,18,25 Apr: 1,8,15 Grad: Apr. 22

Fee: \$550 per person

Includes:

- All literature
- Framed Certificate of Completion
- Light snack at each class

DX- Rooftop & Self Contained Operation and Maintenance Seminar

A one day Rooftop & Self Contained Operation and Maintenance Seminar that presents an overview of the product, theory of operation and general maintenance guidelines. It is designed for operators and owners of Trane DX Rooftop & Self Contained chillers. Significant time is allotted for questions and answers with Trane Service Engineers.



Fee: \$390 for non-contract customers

FREE for Service Contract Customers

(Trane Service Clients please contact your sales representative)

Includes:

- All Literature
- Full breakfast and lunch

New Jersey 8:00 AM- 4:00 PM

February 28

To Sign Up:

NY: 718-269-3600 marketingny@trane.com

LI: 631-952-9477 limarketing@trane.com

NJ: 973-434-2101 marketingnj@trane.com

Centravac Owner's Operation and Maintenance Seminar

A one day Centrifugal Chiller Operation and Maintenance Seminar that presents an overview of the product, theory of operation and general maintenance guidelines. It is designed for operators and owners of Trane Centrifugal Chillers. Significant time is allotted for questions and answers with Trane Service Engineers.

New York 8:00 AM-4:00 PM
February 5

New Jersey 8:00 AM-4:00 PM
February 7

Fee: \$390 for non- contract customers

FREE for Service Contract Customers

(Trane Service Clients please contact your sales representative)

Includes:

- All Literature
- Full breakfast and lunch

Absorption Owner's Operation and Maintenance Seminar

A one day Absorption Chiller Operation Maintenance Seminar that presents an overview of the product, theory of operation and general maintenance guidelines. It is designed for operators and owners of Trane Absorption Chillers. Significant time is allotted for questions and answers with Trane Service Engineers.

New York 8:00 AM-4:00 PM
March 5

Fee: \$390 for non-contract customers

FREE for Service Contract Customers

(Trane Service Clients please contact your sales representative)

Includes:

- All Literature
- Full breakfast and lunch

Trace 700 Load Design Training

- Model complex building geometries and systems to fine-tune the design of critical building features
- Examine the program's time saving templates of construction types, weather data and more
- Build schedules to control occupancy, lighting and miscellaneous building load
- Learn how to show the benefits of advanced HVAC technology on high efficiency equipment
- Be smarter when choosing equipment that will provide the best comfort at the lowest cost to the building owner
- Find out how to customize utility rate information and turn it into actual dollar figures when choosing a system
- Trace 700 Load Design: Detailed Load Calculation Program that serves as input to Trace 700 analysis
- Trace 700 Energy and Economics and Load Design

You can earn
2.5 CEU credits

New York 8:00 AM-5:00 PM
February 13-14

Fee: \$350 per person

Includes: All literature and a full breakfast and lunch

Engineers Newsletter Live

Be our guest ... attend this Broadcast from Trane

Dates: To be announced

Topics: ASHRAE 62.1, Single-Zone VAV and All Variable-Speed Plant Operation

Locations: New York, New Jersey and Long Island

You may be able to
earn 1.5 CEU credits

Fee: FREE

Lunch will be served

www.tranenynj.com

Directions to: [New York Office / 45-18 Court Square / Long Island City, NY 11101](#) 718-269-3600

Midtown Tunnel: First exit after the tolls, bear to the right. Straight ahead there is a ramp. The ramp bends to the right. Pass first light. After the second light, make a right. You are on Jackson Avenue. Take Jackson Avenue to 45-18 Court Square. Landmarks are Citibank Building and Brooks Restaurant.

Long Island Expressway: West to Van Dam Street. At Van Dam Street make a right. Make a left onto Thomson Avenue. Go over the Thomson Avenue bridge. Make your first left. Then make a quick right, cannot go straight. This takes you right into parking lot. We are across the parking lot on 45-18 Court Square.

Triboro Bridge: Take exit at 31st Street. Make a right at 31st Street to Broadway. At Broadway make a right. Take Broadway to 21st Street and make a left. Take 21st Street to 44th Drive (Citibank building is ahead of you). 44th Drive make a left on Jackson Avenue. Make a right to Court Square. At Court Square make a left. Parking lot is on the left across from 45-18 Court Square.

#7 train: - to 45th Road and Court Square,

E, V, And G trains: to 23rd Street and Ely Avenue.

Long Island Railroad: off at Hunters Point. Either walk or take #7 train to Court Square Station.

We are right across from the Citibank Building in Long Island City.

Directions to: [Long Island Office / 245 Newtown Road, Ste. 500 / Plainview, NY 11803](#) 631-952-9477

Long Island Expressway Eastbound: Take exit 46 for Sunnyside Blvd toward Plainview. Keep right at the fork, follow signs for Sunnyside Boulevard and merge onto Executive Dr. Continue onto S Service Rd. Turn right onto Newtown Rd. Destination will be on the left side.

Long Island Expressway Westbound: Take Long Island Expressway Westbound to exit 48 toward Round Swamp Rd/Old Bethpage/Farmingdale. Merge onto N Service Rd. Turn left onto Old Country Rd. Turn right onto Newtown Rd. Destination will be on the right.

Directions to: [New Jersey Office / 4 Wood Hollow Road / Parsippany, NJ 07054](#) 973-887-8800

Garden State Parkway (Bergen County & North): Take exit 159. Get onto Route 80 west. Take exit 43. Follow signs for Route 287. (Do not get on Route 287) When on the ramp, follow sign for Route 287 North and Route 46. Exit at sign for Route 46 and Smith Road. Bear right and at the stop sign, make a right onto Littleton Road. Continue to the end of Littleton Road and at the light, make a right turn onto Smith Road. At the second traffic light, (in front of the Sheraton Hotel) make a right hand turn onto Wood Hollow Road.

Garden State Parkway (Essex County & South): Take exit 145. Get onto Route 280 west. Take Route 280 west and continue past exit 1 to where the highway divides. Stay in the right lane and follow signs for Route 287 and 46. You will be traveling parallel to Route 80. Get off at exit 43 and follow the signs to Route 46 and Smith Road. Bear right and at the yield sign, make a right onto Littleton Road. At the light, make a right turn onto Smith Road. At the second traffic light (in front of the Sheraton Hotel), make a right hand turn onto Wood Hollow Road.

From Route 287 Going South: Take exit 42. Make a left at the light after the exit onto Parsippany Boulevard. Make a left at the next light onto Route 46 east. Before the next light, bear right immediately after the Gulf Station (sign points to Route 80), This is Smith Road, follow Smith Road to the third traffic light, (in front of the Sheraton Hotel) make a right hand turn onto Wood Hollow Road.

From Route 287 Going North: Take exit 41A. Bear right on ramp to traffic light at Smith Road, make a right, at the next light (in front of the Sheraton Hotel), make a right onto Wood Hollow Road.

From Route 80 Going East: Take exit 42. Follow signs for Route 202 north, also known as Littleton Road. The road will divide so that the right lane enters onto Rt. 80 West and the left lane will remain Littleton Road (Rt. 202). Stay on Littleton Road. Before traffic light stay in right lane. Continue going straight through on Littleton Road to the end. Make a right at the light onto Smith Road. At the second light on Smith Road (in front of the Sheraton Hotel), make a right onto Wood Hollow Road.

From Rt. 80 Going West: Take exit 43, follow signs for Route 287. (Do not get on Route 287). When on the ramp, follow sign for Route 287 North and Route 46. Exit at sign for Route 46 and Smith Road. Bear right and at the yield sign, make a right onto Littleton Road. At the light, make a right turn onto Smith Road. At the second traffic light (in front of the Sheraton Hotel), make a right hand turn onto Wood Hollow Road.

From Newark Airport/Route 24 West: From the airport, take Route 78 west to Route 24 west. Take Route 24 West to Rt. 287 north. Then follow directions from Route 287 north to Exit 41A.

To Sign Up:

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Mission

Trane New York / New Jersey

To be the leader in our business

We will attain this leadership by:

- Understanding our clients' expectations and proactively striving to exceed them every time ... with service excellence.
- "Teaming within" such that our clients experience the full resources of our unique offerings ... and find enduring value.
- Employing quality, service-minded associates and training them to a technical proficiency while encouraging personal and professional growth ... with world class safety.
- Adhering to the highest ethical standards while focusing on the long-term profitable growth of each client relationship.

Our Locations

New York City

Sales and Parts

45-18 Court Square

Long Island City, NY 11101

Phone: 718-269-3600

Fax: 718-269-3601

Long Island

Sales and Parts

245 Newtown Road, Suite 500

Plainview, NY 11803

Phone: 631-952-9477

Fax: 718-269-3758

Westchester

Sales and Parts

11 Clearbrook Road

Elmsford, NY 10523

Phone: 914-593-0303

Fax: 914-593-7222

New Jersey

Sales

4 Wood Hollow Road

Parsippany, NJ 07054

Phone: 973-887-8800

Fax: 973-887-8844

Pine Brook

Parts

26 Chapin Road

Pine Brook, NJ 07058

Phone: 800-55-TRANE

Fax: 973-883-5592

South Plainfield

Parts

107H Corporate Boulevard

South Plainfield, NJ 07080

Phone: 888-66-TRANE

Fax: 908-412-1331

Teterboro

Parts

375 North Street, Unit J

Teterboro, NJ 07608

Phone: 877-50-TRANE

Fax: 201-489-8429