



SPRING 2012 Owner / Operator Training Class Schedule

Basic AC Clinic (with 410A Refrigerant Training)

This course will provide attendees with the fundamentals of Heating, Ventilation and Air Conditioning (HVAC). This course is suggested for those wishing to gain greater awareness and working knowledge of HVAC concepts and those who are new to the HVAC industry. Our instructors will address HVAC theory and practical applications. This course includes training and updates on the 410A Refrigerant. Learn the basics of air conditioning as applied to the refrigeration cycle; the theory of heat transfer; refrigeration system components; refrigeration system accessories; refrigeration system piping; the differences in the rotary; absorption; and centrifugal chillers; fans; VAV systems and controls.

Target Audience: HVAC system design engineers, installing contractors, architects, system operators, service technicians and owners.

Dates: April 18-19, 2012

Time: 9am- 4pm

Location: Brady Training Center at 401 Kitty Hawk Dr., Morrisville, NC 27560

Cost: \$500.00 per attendee.

CenTraVac Owner Operator Workshop

This course will provide a comprehensive overview, including general discussion of centrifugal water chillers including the following topics:

- Introduction to chilled water systems and centrifugal water chillers.
- Components - compressor, motor, condenser, evaporator, purge and controls. Refrigeration cycle covering system operation.
- Compressor capacity control – inlet vanes, impeller dynamics, compressor unloading, surge and adjustable frequency drives.
- Maintenance considerations – general maintenance requirements of a centrifugal water chiller including importance of maintaining related pumps and cooling towers.
- Mechanical considerations – reviewing operating logs and trends, observing oil pressure drop, monitoring evaporator and condenser approach temps, observing and recording the oil level, monitoring purge pump-out operation.
- Application considerations – Condensing temperature control, cooling tower bypass, constant or variable flow, heat recovery and ARI Standards.
- Troubleshooting topics: Understanding of chiller logs and the identification of problems, preventative maintenance, Inspections required to monitor and maintain system efficiency and safety, water treatment, refrigerant , how to troubleshoot air in the machine, low condenser water flow, fouled evaporator tubes, condenser water bypassing condenser tubes and bypassing chilled water tub.

Target Audience: CenTraVac Owners and Operators

Dates: April 11-12, 2012

Time: 9am- 4pm

Location: Brady Training Center at 1915 North Church Street, Greensboro, NC 27405

Cost: \$600.00 per attendee.

Spring 2012 Owner / Operator Training Class Schedule (Continued)

Rotary Chiller Workshop

This course provides an in-depth understanding of the controls, maintenance and diagnosis of rotary chillers. This course provides insights into compressor design, unit operation, unit installation, start-up requirements, unit performance and service diagnosis. Specific service steps are covered for refrigerant handling and component service.

Topics include in the class include Helical-rotary compressor, oil separator, condenser (water-cooled and air-cooled), expansion device, liquid/vapor separator, evaporator, starter, controls, the refrigeration cycle, refrigerants, compressor capacity control, slide valve operation, maintenance consideration, and a brief list of application considerations (air-cooled or water-cooled) condensing, condensing temperature control and short water loops. Introduction to the DynaView operator interface and the new AdaptaView panel.

Target Audience: Servicing Owners and Operating Personnel

Date: April 4, 2012

Time: 9am- 4pm

Location: Brady Training Center at 401 Kitty Hawk Dr., Morrisville, NC 27560

Cost: \$350.00 per attendee

Tracer Summit Workshop

In this course you will learn to operate and modify an installed Tracer Summit system. This is a highly interactive course where you will learn and exercise common applications of a Tracer Summit Building Management System. Students will gain knowledge as to how various applications and equipment work together to provide effective system operation. At the end of this course the student will be able to:

- Monitor and control building mechanical systems
- Respond to alarm conditions
- Create custom alarms
- Generate reports, trends, and calculations
- Monitor Chiller Plant Control
- Create schedules
- Override unit operation and setpoints
- Understand how Time-of-Day (TOD) Area and Variable Air Systems (VAS) work together

Target Audience: Tracer Summit System Operators

Date: March 28-29, 2012

Time: 9am- 4pm

Location: Brady Training Center at 1915 North Church Street, Greensboro, NC 27405

Cost: \$600.00 per attendee

Registration Form

Please print clearly

Service Contract Holder

Non-Contract Holder

Student Information

Student Name:

Title:

Company Name:

Address:

City:

State:

Zip:

Phone:

Fax:

Email Address:

Course Selection

<input type="checkbox"/> Basic AC Clinic- Raleigh	April 18-19, 2012	\$500.00
<input type="checkbox"/> CenTraVac Workshop- Greensboro	April 11-12, 2012	\$600.00
<input type="checkbox"/> Rotary Chiller Workshop- Raleigh	April 4, 2012	\$350.00
<input type="checkbox"/> Tracer Sumitt Workshop- Greensboro	March 28-29, 2012	\$600.00

Subtotal

Applicable Discount

TOTAL

Payment Information

Method of Payment

Check Enclosed

PO Number: _____

Visa

MasterCard

American Express

Credit Card Number:

Expiration Date:

Signature:

v-code:

Please remit registration form with payment to:

BRADY Attn: Lea Coats
401 Kitty Hawk Drive
Morrisville, NC 27560

How did you hear about training at Brady?

Account Executive (Name) _____

Service Technician (Name) _____

Questions regarding training please contact Lea at
lea.coats@bradyservices.com or (800) 849-1915



Brady Learning Center Spring 2012 Course Schedule

The Brady Learning Center is now accepting enrollment for Spring 2012 classes in Greensboro and Raleigh training locations.

At Brady, we recognize the critical need to incorporate an ongoing program of skill development for technical personnel that improves productivity, promotes continuous improvement, and enhances career advancement. As your education partner, we will keep you up to date on changes in technology, equipment, regulations, and key industry issues with our available classes.

Cancellation/No Show Policy Due to the demand and limited seating, all cancellations must be received by fax, mail, or email no later than 5 business days prior to the program date. Any reservations not cancelled 5 business days prior will not be refunded.

Certification of completion: All students will receive a certificate after completion of any course.



PO Box 13587
Greensboro, NC 27415
www.brady-services.com



Prefer to receive the training schedule by email? Let us know!

fax: (336) 378-0677 email: info@brady-services.com



The Brady Learning Center is pleased to offer an additional Tracer Summit Workshop this spring due to high demand.

At Brady, we recognize the critical need to incorporate an ongoing program of skill development for technical personnel that improves productivity, promotes continuous improvement, and enhances career advancement. As your education partner, we will keep you up to date on changes in technology, equipment, regulations, and key industry issues with our available classes.

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Certification of completion: All students will receive a certificate after completion of any course.

SPRING 2012 Owner / Operator Training Class

NEW!! Tracer Summit Workshop

In this course you will learn to operate and modify an installed Tracer Summit system. This is a highly interactive course where you will learn and exercise common applications of a Tracer Summit Building Management System. At the end of this course the student will be able to:

- Monitor and control building mechanical systems
- Respond to alarm conditions
- Create custom alarms and expanded messages
- Create schedules
- Modify existing graphics
- Generate reports, trends, and calculations
- Monitor Chiller Plant Control
- Learn how Time-of-Day (TOD) Area and Variable Air Systems (VAS) work together

Target Audience: Tracer Summit System Operators

Date: April 25-26, 2012

Time: 9am- 4pm

Location: Brady Training Center at 1915 North Church Street, Greensboro, NC 27405

Cost: \$600.00 per attendee



Registration Form

Please print clearly

Service Contract Holder

Non-Contract Holder

Student Information

Student Name:

Title:

Company Name:

Address:

City:

State:

Zip:

Phone:

Fax:

Email Address:

Course Selection

Tracer Summit Workshop- Greensboro

April 25-26, 2012

\$600.00

Subtotal

Applicable Discount

TOTAL

Payment Information

Method of Payment

Check Enclosed

PO Number: _____

Visa

MasterCard

American Express

Credit Card Number:

Expiration Date:

Signature:

v-code:

How did you hear about training at Brady?

Account Executive (Name) _____

Service Technician (Name) _____

Please remit registration form with payment to:

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Morrisville, NC 27560

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