

R.E. Michel Company 2019 Summer Training

Note from the R.E. Michel Co., Training Department

We apologize for the delay in updating our 2019 Summer Training Class schedule. Due to circumstances beyond our control we are not able to provide our standard training for the next 60 days or so. Dedicated, hardworking people are working to correct the issue and, at that time, we will notify all of our branches, Branch Managers and Sales Representatives.

Currently, the only class we are able to offer is our EPA CFC Certification which is listed below.

Thank you for your co-operation and understanding.

CFC Certification

This class is EPA approved, and is designed to help the student pass the CFC Certification Test for Type I (Small Appliances), Type II (High Pressure), Type III (Low Pressure). Passing all four sections will certify the technician as Universal. The course includes a CFC Study guide which will be provided along with approximately four hours of material review with a qualified instructor. The test has a two hour time limit. Current cost of 2018 and 2019 classes: \$199.00, test only-\$99.00.

August 30, 2019 – Glen Burnie, MD

October 4, 2019 – Glen Burnie, MD

Air Conditioning Fundamentals and Procedures

3-DAY CLASSES INCLUDES R-410A PROCEDURES

This class will cover the fundamentals of the installation procedures of the air conditioning system and heat pump. The proper line set selection, recovery of refrigerant, evacuations, and the different charging methods, equipment selection, and placement. Also covered will be the differences in evaporator coils, and the different coil configurations. There will be some troubleshooting issues covered. This class is for the new technician and is also a great refresher for the veteran who might benefit from a review of the refrigeration cycle. These are two and three-day courses. Price of three-day class is \$250.00. Minimum of 8 technicians to hold class.

No classes currently scheduled

Air Conditioning Service & Troubleshooting (Hands-On)

This is a three-day hands-on class designed for the service technician that has some knowledge of the installation procedures of the air conditioning system. The students will learn to observe the equipment and learn the sequence of operation. This class will also include brief classroom discussion but mostly hands on training. The students will use recovery machines to remove refrigerant from the air-conditioning equipment. Evacuations will also be performed using proper procedures. There will be different methods of charging. The students will also learn to service the equipment. Upon completion of this class the students should be able to service, maintain, and troubleshoot the air conditioning system. Price of class is \$350.00. Maximum class size is 8 techs.

No classes currently scheduled

Air Conditioning Install

This one-day air conditioning class will cover the servicing of the system along with proper charging methods for the different types of systems and component testing and replacement. Price of class is \$99.00. Minimum of 8 technicians required to hold class.

No classes currently scheduled

Basic Electricity

Basic Electricity is a one-day class where technicians will learn about series circuits, parallel circuits, transformers, switches and control circuit wiring. Discussions on how electricity works, how it is made and alternating current and direct current will also be held. Price of class is \$99.00. Minimum of 8 technicians required to hold class

No classes currently scheduled

Gas I, Fundamentals

This class is the first in a series of two classes focusing on the fundamentals of the gas combustion process, flame sensing, ignition and gas controls. Some safety issues will be reviewed as pertaining to proper installation and service procedures. In addition, carbon monoxide will be covered to help ensure mechanics are aware of the concerns with its production. This is a one-day course. Price of class is \$99.00. Minimum of 8 technicians required to hold class.

No classes currently scheduled

Gas II, Service & Controls

This class is the second in the series of gas training. There will be a brief review of the basics of gas. Time will then focus on the controls side of the gas equipment. All types of ignition and flame sensing configurations will be explored. Time will be spent on the solid-state control boards and modules that are appearing on residential and light commercial equipment. This class is a one-day course. Price of class is \$99.00. Minimum of 8 technicians required to hold class.

No classes currently scheduled

Gas Combustion & Troubleshooting -- (New 2-Day Format)

Originally a part of the 3-day Oil & Gas Combustion, Gas has been split off into a two-day class of its own. Day one covers gas combustion and the installation of the gas furnace and proper setup of the furnace. Gas troubleshooting will be covered on Day 2. Cost of class is \$99.00 per technician per day.

No classes currently scheduled

Heat Pump Service

In this one-day Heat Pump Service Class coverage will include the servicing, proper charging, testing and setup of the system in addition to troubleshooting and component replacing such as compressor testing and replacement. The class will be approximately 7 hours. Price of class is \$99.00. Minimum of 8 technicians required to hold class

No classes currently scheduled

Oil I, Fundamentals

This is the first in a series of two classes. This session will focus on the fundamentals of the oil burner and understanding the combustion process. The students will learn the necessity of proper burner set up and burner application. Service issues and troubleshooting the combustion side of the system will be discussed as we progress. We will also discuss venting issues and the concerns that may come with equipment replacement. Price of class is \$99.00. Minimum of 8 technicians required to hold class

No classes currently scheduled

Oil II, Controls

This is the second in a series of two classes. In this session the focus will be on oil burner and related system controls. We will begin by reviewing some control fundamentals in order to create an understanding of how controls in general work. There will be a demonstration and opportunity for hands on activities in the class. The main objective of this course is to create an understanding of controls for the burner technician. Price of class is \$99.00. Minimum of 8 technicians required to hold class

No classes currently scheduled

Oil Combustion and Troubleshooting -- (New 2-Day Format)

Originally a part of the 3-day class but has been split off to 2 days, with day 1 covering oil combustion installation, set-up, nozzle selection and troubleshooting on the 2nd day. Cost for the class is \$99 per technician per day.

No classes currently scheduled

R-410a Safety Guidelines and Procedures

Discussions in this class will include the R22 equipment phase-out timeline along with covering terms and definitions associated with the traditional refrigerants and the temporary and permanent alternatives. Technical guidelines developed by the manufacturers for application and the use of 410a in the OEM equipment are covered along with system parts and components unique to 410a units. Finally, discussions of the safety ratings for the refrigerant handling issues, storage, transport and recovery will be held. Contact local branch for class times. Price of class is \$25.00.

No classes currently scheduled

FAQ for CFC Certification

Q) Where are CFC classes held?

A) Currently, most of our locally scheduled CFC classes are held in our Glen Burnie Training Facility located at the address below but occasionally CFC classes are held in other locations such as Richmond, VA, Hartford, Ct., Watertown, NY., Midlothian, VA., Syracuse, NY and Landover, Md

Hartford, Ct
295 Murphy Road
860-278-7676

Watertown, NY
23018 Murrock Circle
315-779-1577

Glen Burnie, MD
1 Skywater Way
410-553-3835 / 410-553-3816

Landover, MD
1900 South Club Road
301-322-4700

Richmond, VA
2400 Magnolia Road
804-643-5300

Syracuse, NY
1128 East Washington Street
315-474-6007

Midlothian, VA
601 Johnston Willis Dr
804-897-0100

Q) What are the times of the CFC class?

A) All CFC Classes begin at 8am and normally conclude after the exam is given around 4pm.

Q) What are to costs for the CFC classes?

A) Costs: (Current for 2018 and 2019)

\$199.00 includes CFC Study Guide, review and examination

\$ 99.00 includes review and examination. No CFC Study Guide is included.

Q) What material is required to bring to class?

- A) CFC Study Guide
- B) Photo-ID
- C) Two (2) number 2 pencils
- D) CFC Certification Coupon (normally attached to Study Guide and required for attendance) or Invoice for class

Q) Does the CFC certification cover Section 609 (Automotive)?

A) No. The certification we teach is Section 608 which is for appliances. Section 609 should be certified through an authorized automotive source.

Q) Technicians requiring a duplicate of their CFC card.

A) Although there are many agencies who offer or proctor the CFC exam the R.E. Michel Company has aligned with REPA as the main vendor for CFC Certification. Mainstream is another vendor we currently deal with for certification in areas where REPA is not available. Or may be more convenient for our customers

<i>Note*** Most agencies will issue duplicate CFC cards for a nominal fee.</i>

R.E.P.A. (V# 180286)
348 Thompson Road
Suite 303
Stevensville, Md 21666

ESCO Institute
P.O. Box 521
Mount Prospect, IL

Mainstream Engineering
200 Yellow Place
Rockledge, FL 32955

Julie Brinster
Repatest.com

Customer Service
escoinst.com

800-866-3550
epatest.com

Q) Does R.E. Michel offer an alternative to attending a full-day CFC class?

A) Mainstream is the only vendor we have assigned catalog numbers to. These two parts can be ordered from any R.E. Michel location. If you require a self study guide and an audio CD please order catalog number 8G9994B. When you are ready to take the exam please contact your local branch to order the catalog number 8G9994A for the test only. This is a self study course to prepare our customers to take the CFC test.

Q) Technicians have not received their results after taking a test:

A) Results normally take 2-3 weeks depending on the time of the season.

Q) What does the test consist of?

A) The CFC exam consists of (1) section for each level offered, Core, Type I, Type II and Type III. A passing grade in all (4) sections qualifies the technician with a Universal Certification. Each portion of the test include (25) multiple choice questions.

Q) What happens if I do not pass all portions of the exam?

A) It is not necessary to re-take any portion that you have already. The instructor will walk you through the steps required to re-take any portion you may need.

Q) Do I lose my registration fee if I cannot make a class?

A) Absolutely not. If you feel you are not ready to take the class and require more personal study time, please contact us and we will move or re-schedule your date to another up-coming class.

Q) What dates are the future CFC classes scheduled for?

A) While most areas of the Company offer CFC testing the majority of the classes is held in the Glen Burnie Training Facility. At the beginning of each year we set the Glen Burnie CFC Certification classes for the entire year. We also set a CFC class for Richmond & Midlothian approximately every 90 days. Please refer to the course schedule for the complete list of CFC dates.

Note: A CFC Certification Coupon is required to attend class. If registered for "test only" a copy of the invoice is required OR your name MUST appear on the class registration sheet.

R.E. Michel Training Price Schedule 2018 / 2019

CFC Refrigerant Certification (Includes CFC Study Guide, Class Review and CFC Examination)	\$199.00 (per tech) *
CFC Test Only (Does not include CFC Study Guide)	\$99.00
R410a Safety Guidelines & Procedures	\$25.00 (3 ½ hour sessions)
A/C Charging (1/2 Day)	\$25.00
One day classes (Gas, Oil, AC, HP, BE)	\$99.00
AC/HP Service & Troubleshooting	\$350.00 (per tech) 3-day hands on
AC/HP Fundamentals	\$250.00 (per tech) 3-day classroom

Training Class Notes:

- 1) All classes begin at 8am but please check with your local branch for official starting times and/or additional information.
- 2) Minimum participation for classes is 8 technicians. Please check with local branch to make sure the class is still being held.
- 3) Maximum participation for 3-Day AC Service and Troubleshooting, Gas & Oil Combustion classes is 10 technicians. A/C Service classes will include a Technician Refrigerant Journal and training on how to use.
- 4) Custom training is available. Contact your local R.E. Michel branch or Sales Representative.
- 5) CFC Results may take up to 3 weeks to receive results.
- 6) Recommended two week registration prior to class date for CFC Certification.
- 7) All participants in the "hands-on" training classes that utilize the R.E. Michel Equipment Lab MUST sign a Registration Form and Release prior to the beginning of the class.
- 8) Prices are subject to change without notice
- 9) For Nate Review and Testing please contact your local R.E Michel branch or Sales Representative for costs, times and locations.

The R.E. Michel Co., reserves the right to cancel / reschedule classes due to lack of technician registrations, instructor illness, hazardous weather conditions or other causes beyond our control.

DIRECTIONS TO SKYWATER (GLEN BURNIE, MD) TRAINING FACILITY

R.E. Michel Co., Inc. Instructor: Floyd Wilson
1 Sky Water Way Phone Numbers: 410-553-3835 and 410-553-2994
Glen Burnie, Md 21060 Fax Number: 443-577-3470

From Points North:

Take I-95 South
Take 695 (Baltimore Beltway) East – Essex / Key Bridge (Toll Bridge)
Take Exit 2 / 3, Route 10 South and Route 3 South
*** See continuation of directions at bottom of page ***

From Points South:

Take I-95 North
Take 695 (Baltimore Beltway) East toward Glen Burnie / Key Bridge
(*You will exit off 695 East before you go over the Key Bridge*)
Take Exit 2, Route 10 South
*** See continuation of directions at bottom of page ***

From Points East:

Take the Bay Bridge (Toll) / Route 50 East
Take Route 2 North, Ritchie Highway
Take Route 10 North
*** See continuation of directions at bottom of page ***

From Points West:

Take Route 70 East
Take 695 (Baltimore Beltway) East toward Glen Burnie / Key Bridge
(*You will exit off 695 East before you go over the Key Bridge*)
Take Exit 2, Route 10 South
*** See continuation of directions at bottom of page ***

From Points Northwest:

Take 83 South (*You will exit off 695 East before you go over the Key Bridge*) Take Exit 2, Route 10 South
*** See continuation of directions at bottom of page ***

Take Exit 710 East, Ordnance Depot and make a right hand turn at the 2nd light into the Baymeadow Industrial Part. Make 1st right and follow sign for Education and Training Center Parking area.



CLASS REGISTRATION FORM

One applicant per registration form

All applicants must be registered 2 weeks prior to date of class.

Please register me for the following class:

- | | |
|---|---|
| <input type="checkbox"/> Air Properties & Measurement | <input type="checkbox"/> CFC Certification - Full Day Session |
| <input type="checkbox"/> Basic A/C & Service | <input type="checkbox"/> CFC Certification -Test Only |
| <input type="checkbox"/> Basic Electricity & Controls | <input type="checkbox"/> Manual D / Residential Duct Design |
| <input type="checkbox"/> Basic Gas & Service | <input type="checkbox"/> Manual J / Load Summary |
| <input type="checkbox"/> Basic H/P & Service | <input type="checkbox"/> Refrigerant Retrofitting |
| <input type="checkbox"/> Basic Oil & Service | <input type="checkbox"/> Other _____ |

Class Date (s): _____ Class Location: _____

Name: _____

Company Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Daytime Phone: () _____ Evening Phone: () _____

Method of Payment: ☐ Check No. _____ ☐ Bill Account # _____

Authorized By: _____ Title: _____



R.E. MICHEL COMPANY INC.

and its affiliated companies ...
AMCO Heating, Cronin Supply and Crown Refrigeration

FAX: 1-800-806-TECH -OR-

MAIL: ATTN: TRAINING DEPARTMENT • R.E. MICHEL COMPANY, INC.
ONE R.E. MICHEL DRIVE • GLEN BURNIE, MD 21060