

2017
TRAINING SCHEDULE
NATIONAL ASSOCIATION
POWER ENGINEERS
EDUCATIONAL FOUNDATION



CLASSES START: 01/09/17

ADMINISTRATIVE OFFICES:

5707 SEMINARY ROAD • SUITE 200 • FALLS CHURCH, VIRGINIA 22041

TEL: 703.845.7055 FAX: 703.845.7059

Register online @ www.napeef.org

2017 Schedule of Courses

Complete descriptions and requirements for all courses are in the catalog — available at the office and online at www.napeef.org.

Electrical

Monday	Tuesday	Wednesday	Thursday	Friday
Principles of Electricity 30 hr - Books-\$80 • Tax-\$4.80 • Member-\$497.38 • Total \$582.18 • Non-Member-\$616.38 • Total \$701.18				
	01/10 McRunnel T&Th 5 wks 5:30 16F109-FC		01/10 McRunnel T&Th 5 wks 5:30 16F109-FC	Saturday
02/6 Ayala M&Th 5 wks 5:30 17S012-FC			02/6 Ayala M&Th 5 wks 5:30 17S012-FC	
	02/28 McRunnel T&Th 5 wks 5:30 17S018-FC		02/28 McRunnel T&Th 5 wks 5:30 17S018-FC	
		03/1 Carrasco 10 wks 5:30 17S034-GR		
		03/15 Hughes 10 wks 5:30 17S051-FC		
	06/20 McRunnel T&Th 5 wks 5:30 17S019-FC		06/20 McRunnel T&Th 5 wks 5:30 17S019-FC	
Electrical Systems Code & Theory 56 hr - Books-\$305 • Tax-\$18.30 • Member-\$780.00 • Total \$1103.30 • Non-Member-\$901 • Total \$1224.30				
	02/07 Ayala 16 wks 5:30 17S015-FC	03/01 McRunnel 16 wks 5:30 17S020-FC		
Schematics 30 hr - Books-\$114 • Tax-\$6.84 • Member-\$552.56 • Total \$673.40 • Non-Member-\$673.56 • Total \$794.40				
		02/22 Bruning 10 wks 5:00 17S028-GA	03/16 Ayala 10 wks 5:30 17S022-FC	
Electric Motors 30 hr - Books-\$82 • Tax-\$4.92 • Member-\$600.08 • Total \$687 • Non-Member-\$723.08 • Total \$810				
03/20 Ayala M&W 5 wks 5:30 17S003-FC		03/20 Ayala M&W 5 wks 5:30 17S003-FC		

Air Conditioning

Air Conditioning I* 57 hr - Lab Fee-\$50 • Books-\$126 • Tax-\$7.56 • Member-\$828.86 • Total \$1012.42 • Non-Member-\$960.86 • Total \$1144.42				
01/16 Granados M&Th 12 wks 5:00 16F119-FC	02/07 Kincaid 16 wks 5:00 17S010-FC		01/16 Granados M&Th 12 wks 5:00 16F119-FC	Saturday
	02/21 Trotman 16 wks 6:00 17S005-GA			
04/10 Granados M & W 12 wks 5:00 17S048-FC		04/10 Granados M & W 12 wks 5:00 17S048-FC		
Air Conditioning II* 57 hr - Lab Fee-\$70 • Books-\$126 • Tax-\$7.56 • Member-\$958.86 • Total \$1162.42 • Non-Member-\$1095.86 • Total \$1299.42				
02/06 Cassidy M & Th 10 wks 5:00 17S024-FC			02/06 Cassidy M & Th 10 wks 5:00 17S024-FC	Saturday
02/06 Ayensu M & Th 10 wks 5:00 17S037-GR			02/06 Ayensu M & Th 10 wks 5:00 17S037-GR	01/21 Villalobos 14 wks 8:00 17S035-FC
03/27 Villalobos M & W 10 wks 5:00 17S030-FC		03/27 Villalobos M & W 10 wks 5:00 17S030-FC		
Air Conditioning III 56 hr - Books-\$126 • Tax-\$7.56 • Member-\$902.86 • Total \$1036.42 • Non-Member-\$1037.86 • Total \$1171.42				
		2/8 Cook 16 wks 5:00 17S009-FC		
Heat Pumps 56 hr - Materials-\$50 • Books-\$158 • Tax-\$9.48 • Member-\$847.52 • Total \$1065 • Non-Member-\$980.52 • Total \$1198				
06/12 Villalobos M & W 10 wks 5:00 17S032-FC	02/07 Herrera 16 wks 5:00 17S016-FC	06/12 Villalobos M & W 10 wks 5:00 17S032-FC		
Refrigeration 56 hr - Books-\$175 • Tax-\$10.50 • Member-\$858.90 • Total \$1044.40 • Non-Member-\$991.90 • Total \$1177.40				
	02/07 Perdue 16 wks 5:00 17S014-FC			Saturday

* AC Labs — All AC I and AC II Students are required to attend lab sessions in order to pass the courses and receive their certificates. Please note: most labs are held on designated Saturdays during the day.

Boilers

Monday	Tuesday	Wednesday	Thursday	Friday
Low Pressure Boilers 57 hr - Books-\$82 • Tax-\$4.92 • Member-\$692.08 • Total \$779 • Non-Member-\$798.08 • Total \$885				
		02/08 Perry 16 wks	4:30 17S004-FC	
02/20 Cerritos M&Th 10 wks				02/20 Cerritos M&Th 10 wks
				02/20 Calobong M&Th 10 wks
02/20 Calobong M&Th 10 wks				02/20 Calobong M&Th 10 wks
	02/21 Cerritos 16 wks		02/22 Cerritos 16 wks	
	5:30 17S007-DC		5:00 17S021-GA	
05/15 Cerritos M&Th 10 wks				05/15 Cerritos M&Th 10 wks
				05/15 Calobong M&Th 10 wks
05/15 Calobong M&Th 10 wks				05/15 Calobong M&Th 10 wks
High Pressure Boilers 60 hr - COURSE TO BE OFFERED DURING FALL 2017 Books-\$201 • Tax-\$12.06 • Member-\$897.94 • Total \$1111 • Non-				

Controls

Controls I - Basic 56 hr - Books-\$172 • Tax-\$10.32 • Member-\$1063 • Total \$1252.74 • Non-Member-\$1200 • Total \$1389.74				
			02/09 Ferrara 16 wks	4:00 17S008-FC

Entry Level

Introduction to Engineering 30 hr - Books-\$24 • Tax-\$1.44 • Member-\$484.56 • Total \$510 • Non-Member-\$602.56 • Total \$ 628				
	03/14 Perry 10 wks		4:30 17S017-FC	
Plant Equipment & Operations 30 hr - Books-\$82 • Tax-\$4.92 • Member-\$442.08 • Total \$529 • Non-Member-\$559.08 • Total \$646				
			02/09 Lopez 10 wks	5:30 17S027-DC
Numbers for Engineers 101 12 hr - TBD				

License and Exam Preparation

VA Journeyman & Master Mechanical 45 hr - Books-\$214 • Tax-\$12.84 • Member-\$697.28 • Total \$924.12 • Non-Member-\$823.28 • Total 1050.12				
	02/7 Ferrara 15 wks		5:00 17S025-FC	
MD 3rd Class Exam Preparation 56 hr - Books-\$243 • Tax-\$14.58 • Member-\$736.28 • Total \$993.86 • Non-Member-\$866.28 • Total \$1123.86				
			02/09 Risley 16 wks	5:00 17S023-GA
LEED-GA Exam Preparation 16 hr - Tuition \$478				
02/06 Ferrara 4 wks			3:00 17S001-FC	
LEED-AP O+M Exam Preparation 16 hr - TBD				

Location Legend: FC = Falls Church GA = Gaithersburg DC = Washington, DC GR=Greenbelt CL=Columbia BAL=Baltimore
M&W = Monday and Wednesday T&Th = Tuesday and Thursday M&Th = Monday and Thursday

Visit www.napeef.org to Register for Courses!

Management

Monday	Tuesday	Wednesday	Thursday	Friday
The Managing Engineer 45 hr - Member-\$1256 • Total \$1256 • Non-Member-\$1389 • Total \$1389				
01/09 Beach	15 wks 16F126-FC	4:30		

Miscellaneous

Blueprint Reading 30 hr - Books-\$81 • Tax-\$4.86 • Member-\$658.14 • Total \$744 • Non-Member-\$738.14 • Total \$824				
03/27 McRunnel	10 wks 17S002-FC	5:30		

Seminars

CFC SEMINARS AND TEST - FALLS CHURCH

Format: Seminar for four sessions. Test is on the last session.

Dates for the CFC Seminars:

- 16F129-FC Friday, January 6
- 17S138-FC Friday, February 17
- 17S043-FC Friday, April 7

Time: 5:00 - 8:00 Cook/ Herrera

Member: \$418.51, Books \$16.50, Tax \$0.66,
Total \$436 (Test included)
Non-Member: \$468.51, Books \$16.50, Tax \$0.99,
Total \$486 (Test included)

In this EPA approved program, topics will include CFC containment methods, legal requirements, existing and new refrigerants, and basic understanding of the refrigeration cycle and system components.

CFC TEST/RETEST ONLY

NAPEEF is a certifying organization for the EPA Technician Certification exam in accordance with Section 608 of the Clean Air Act.

Dates: Test sessions on the following dates at 2:00pm:
Dec 2; Jan 20; Feb 3; March 3.

No PO#s accepted for payment. Pre-registration is preferred, but same day registration no later than 1:00pm is allowed.

Fee: 1st Test \$90, Retest \$70 (if last test taken within three months)

Others

NIULPE TESTS:

Donnie Peters 703-501-6588

VA Tradesmen Continuing Education:

Les Stadig 703-339-1375

R410-A AND NEW REFRIGERANTS SEMINAR

Prerequisites: AC I or 2 years experience and CFC Universal. This seminar will cover characteristics (pressures, etc.) of 410-A; evacuation requirements; servicing; installation; disposal; safety; cylinders, etc. The seminar is an exam preparation for NAPE's 410-A Certification test, which is administered at the end of the seminar.

17S039-FC Sat 04.1.17 8a - 2p Herrera

Member: \$230 Total \$230
Non-Member: \$281 Total \$281

HVAC PREVENTIVE MAINTENANCE SEMINAR

Prerequisites: Completion of AC II or be currently enrolled in AC II. This hands-on seminar is designed for HVAC technicians working in a building or on a service truck. Participants will fill out a check list (sample provided) for the customer or to remain at the property with system information and readings. Topics covered include mechanical, airflow, refrigerant, and electrical components. Upon completion attendees will be able to perform a first-rate HVAC PM and provide customers with confirmation of their equipment status, keeping operating costs low and minimizing expensive repairs.

17S042-FC Sat. 3.11.17 8a - 2p Herrera

Tuition \$379

AIR FLOW DIAGNOSTICS SEMINAR

This one-day seminar is designed for all Facility Management Personnel and Property Managers to provide a better understanding of Air Flow. The seminar will include: review and understanding of air balance report and what are relevant questions; how to properly set up a VAV box; troubleshooting, and; hands-on exercises in the lab. Students will fill out a NEEB Report from start to end. This seminar will include a light breakfast and lunch. Attendance is strictly limited to 25 participants.

17S000

Tuition: \$429

TBD

Important Dates for 2017

Monday, Nov. 21: Registration Date

Monday, Jan 9: Beginning of Classes

Friday, May 26: Deadline for submitting applications for General Certificates

School is closed on the following days:

Memorial Day, Mon May 29
Independence Day, Tues July 4

Classes will be held on all other days.

HVAC ELECTRICAL TROUBLESHOOTING SEMINAR

Prerequisites: Completion of AC I or be currently enrolled in AC I. This hands-on seminar will enable students to understand the wiring in a basic air conditioning/heating system. Participants will develop their own wiring diagram and then convert it into a ladder diagram. Upon completion students will wire up the components on a simulator board, including relays, contactors, condenser and evaporator fan motors, compressor, and safety switches.

17S040-FC Sat. 2.11.17 8a - 2p Herrera
17S041-FC Sat. 5.6.17 8a - 2p Herrera

Tuition \$349

Class Locations: VA; MD; DC

Falls Church, VA (FC): Classes are held at 5707 Seminary Road, Falls Church, Virginia, 22041.

Gaithersburg, MD (GA): Montgomery County Airpark 18918 & 20 Premiere Court Gaithersburg, MD 20879.

Greenbelt, MD (GR): Classes are held at the NAPEEF condominium located at 7213 Hanover Parkway, Greenbelt, Maryland 20770.

Washington, DC, NW (DC/NW): Classes are held at the National Geographic Society Building, which is located at 1145 17th Street, NW, 20036.

Free garage parking off M Street (near 16th) available after 4:30pm.