

# 2018 TRAINING SCHEDULE

# NAPEEF EDUCATIONAL FOUNDATION



MIDTERM CLASSES START: 04/23/18

ADMINISTRATIVE OFFICES:

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

TEL: 703.845.7055 FAX: 703.845.7059

Register online @ [www.napeef.org](http://www.napeef.org)

# 2018 Schedule of Courses

Complete descriptions and requirements for all courses are in the catalog — available at the office and online at [www.napeef.org](http://www.napeef.org).

## Electrical

Monday	Tuesday	Wednesday	Thursday	Friday
<b>Principles of Electricity 30 hr - Books-\$80 • Tax-\$4.80 • Member-\$497.38 • Total \$582.18 • Non-Member-\$616.38 • Total \$701.18</b>				
			02/15 Th 5:30 Harchick 10 wks 18S033-FC	
			02/22 Th 5:30 Lopez 10 wks 18S010-DC	
		03/14 We 5:00 Hughes 10 wks 18S016-FC		
			03/29 Th 5:30 McRunnel 10 wks 18S026-FC	
4/23 M & We 5:30 Ayala 5 Wks 18S056-FC		4/23 M & We 5:30 Ayala 5 Wks 18S056-FC		
<b>Electrical Systems Code &amp; Theory 56 hr - Books-\$319 • Tax-\$19.14 • Member-\$780.00 • Total \$1118.14 • Non-Member-\$901 • Total \$1239.14</b>				
		02/28 We 5:30 McRunnel 16 wks 18S051-FC		
<b>Schematics 30 hr - Books-\$117 • Tax-\$7.02 • Member-\$552.56 • Total \$676.58 • Non-Member-\$673.56 • Total \$797.58</b>				
05/21 M & Th 5:00 Trotman 5 Wks 18S062-FC			05/21 M & Th 5:00 Trotman 5 wks 18S062-FC	
<b>Electric Motors 30 hr - Books-\$82 • Tax-\$4.92 • Member-\$600.08 • Total \$687 • Non-Member-\$723.08 • Total \$810</b>				

## Air Conditioning

<b>Air Conditioning I* 57 hr - Lab Fee-\$50 • Books-\$130 • Tax-\$7.80 • Member-\$828.86 • Total \$1016.66 • Non-Member-\$960.86 • Total \$1148.66</b>				
			02/15 Th 5:00 Trotman 16 wks 18S028-FC	
03/05 M&Th 5:00 Granados 10 wks 18S031-FC			03/05 M&Th 5:00 Granados 10 wks 18S031-FC	
06/11 M & Th 5:00 Granados 10 Wks 18S058-FC			06/11 M & Th 5:00 Granados 10 Wks 18S058-FC	
<b>Air Conditioning II* 57 hr - Lab Fee-\$70 • Books-\$130 • Tax-\$7.80 • Member-\$958.86 • Total \$1166.66 • Non-Member-\$1095.86 • Total \$1303.66</b>				
02/05 M&Th 5:00 Cassidy 10 wks 18S019-FC			02/05 M&Th 5:00 Cassidy 10 wks 18S019-FC	
05/21 M&Th 5:00 Ayensu 10 wks 18S022-GR			05/21 M&Th 5:00 Ayensu 10 wks 18S022-GR	
06/11 M&Th 5:00 Cassidy 10 wks 18S054-FC			06/11 M&Th 5:00 Cassidy 10 wks 18S054-FC	
<b>Air Conditioning III 56 hr - Books-\$130 • Tax-\$7.80 • Member-\$902.86 • Total \$1040.66 • Non-Member-\$1037.86 • Total \$1175.66</b>				
			02/08 Th 5:00 Cook 16 wks 18S003-FC	
<b>Heat Pumps 56 hr - Materials-\$50 • Books-\$158 • Tax-\$9.48 • Member-\$847.52 • Total \$1065 • Non-Member-\$980.52 • Total \$1198</b>				
04/02 M&W 5:00 Villalobos 10 wks 18S017-FC		04/02 M&W 5:00 Villalobos 10 wks 18S017-FC		
<b>Refrigeration 56 hr - Books-\$175 • Tax-\$10.50 • Member-\$858.90 • Total \$1044.40 • Non-Member-\$991.90 • Total \$1177.40</b>				
	02/06 Tu 5:00 Perdue 16 wks 18S013-FC			

\* ACLabs—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
<b>Low Pressure Boilers 57 hr - Books-\$82 • Tax-\$4.92 • Member-\$692.08 • Total \$779 • Non-Member-\$798.08 • Total \$885</b>				
		02/07 Perry	We 16 wks	4:30 18S008-FC
		02/07 Cerritos	We 16 wks	5:00 18S030-GA
	02/20 Cerritos	Tu 16 wks	5:00 18S024-DC	
04/23 Cerritos	M&Th 10 wks	5:00 18S025-FC		04/23 Cerritos
05/21 Calobong	M&Th 10 wks	5:00 18S032-FC		05/21 Calobong
<b>High Pressure Boilers 60 hr - Books-\$201 • Tax-\$12.06 • Member-\$1063 • Total \$1276.06 • Non-Member-\$1200 • Total \$1413.06</b>				
	02/06 Rudolph	Tu 20 wks	5:00 18S006-FC	02/07 Colvin
				We 20 wks
				5:00 18S038-GR

## Controls

<b>Controls I - Basic 56 hr - Books-\$175 • Tax-\$10.50 • Member-\$1063 • Total \$1248.50 • Non-Member-\$1200 • Total \$1385.50</b>				
	02/06 Cook	Tu 16 wks	4:00 18S004-FC	

## Entry Level

<b>Introduction to Engineering 30 hr - Books-\$24 • Tax-\$1.44 • Member-\$484.56 • Total \$510 • Non-Member-\$602.56 • Total \$ 628</b>				
03/12 Perry	Mo 10 wks	4:30 18S049-FC		
<b>Plant Equipment &amp; Operations 30 hr - Books-\$ • Tax-\$ • Member-\$ • Total \$ • Non-Member-\$ • Total \$</b>				
<b>Numbers for Engineers 101 18 hr - Member-\$FREE • Non-Member-\$350.00</b>				

## License and Exam Preparation

<b>MD 3rd License Prep Course 56 hr - Books-\$269 • Tax-\$16.14 • Member-\$736.28 • Total \$1021.42 • Non-Member-\$866.28 • Total \$1151.42</b>				
			02/08 Risley	Th 16 wks
				5:00 18S014-GA
<b>LEED-GA Exam Preparation 16 hr - Tuition \$368 • Material \$110 • Total \$478</b>				
	04/10 Ferrara	Tu 4 wks	1:00 18S048-FC	
<b>VA Journeyman &amp; Master Mechanical 45 hrs - Books \$232 • Tax \$13.92 • Member \$697.28 • Total \$943.20 • Non-Member \$823.28 • Total \$1069.20</b>				
			03/22 Perdue	Th 15 wks
				5:00 18S037-FC
<b>Air Flow Diagnostics Seminar 7.5 hrs - Tuition \$429 • Total \$429</b>				
	03/20 Williams	Tu 1 day	7:30 18S043-FC	

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

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# Management

Monday	Tuesday	Wednesday	Thursday	Friday
<b>The Managing Engineer 45 hr - Member-\$1256 • Total \$1256 • Non-Member-\$1389 • Total \$1389</b>				
02/26 Beach	Mo 15 wks 18S015-FC			

# Miscellaneous

<b>Blueprint Reading 30 hr - Books-\$81 • Tax-\$4.86 • Member-\$658.14 • Total \$744 • Non-Member-\$738.14 • Total \$824</b>				
03/26 McRunnel	Mo 10 wks 18S020-FC			

# Seminars

## CFC SEMINARS AND TEST - FALLS CHURCH

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

Dates for the CFC Seminars:

18S050-FC Fri. Mar 23 - 5:00 to 8:00pm Herrera  
 18S042-FC Fri. May 4 - 5:00 to 8:00pm Cook  
 18S000-FC TBD - 5:00 to 8:00pm Trotman  
 Member: \$418.51, Books \$16.50, Tax \$0.99  
 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: Friday, May 4, Jun 29.

No PO# 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

## OSHA

Office 703-845-7055

## R410-A AND NEW REFRIGERANTS SEMINAR

Prerequisites: ACl 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.

18S041-FC Sat. Apr 14 8:00am - 2:00pm Herrera  
 18S035-FC Sat. May 5 8:00am - 2:00pm Villalobos

Tuition: \$300

## HVAC PREVENTIVE MAINTENANCE SEMINAR

Prerequisites: Completion of ACl 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 checklist (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.

18S000-FC Sat. TBD 8:00am - 2:00pm Herrera

Tuition \$379

## AC "HANDS-ON" TROUBLESHOOTING TIPS AND TECHNIQUES

This seminar will begin with a review of the basic air conditioning components and their effects on superheat, sub-cooling, and the operation of the air conditioning unit. Each component and its operation will be explored, including the potential causes and failure or malfunction. Alternating with classroom instruction, participants will work in the on-site ACLab, providing an opportunity to apply their new knowledge and skills. This seminar is designed to enhance the troubleshooting skills to save time and money when AC unit is not operating at full capacity. This workshop will be strictly limited to 16 participants to ensure the quality of the hands-on training. Participants must have completed and/or be currently enrolled in AC 1.

18S047-FC Sat. May 12 8:00am-4:30pm Herrera

Tuition \$500

# Important Dates for 2018

Thursday, Nov. 9, 2017: Registration Date

Tuesday, Jan. 9, 2018: Beginning of Classes

Friday, May 18, 2018: Deadline for submitting applications for General Certificates

School is closed on the following days:

President's Day, Mon. Feb. 19th

Memorial Day, Mon. May 28th

Independence Day, Wed. July 4th

Classes will be held on all other days.

## HVAC ELECTRICAL TROUBLESHOOTING SEMINAR

Prerequisites: Completion of ACl 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.

18S000-FC Sat. TBD 8:00am - 2:00pm 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 Hanover Office Park 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.