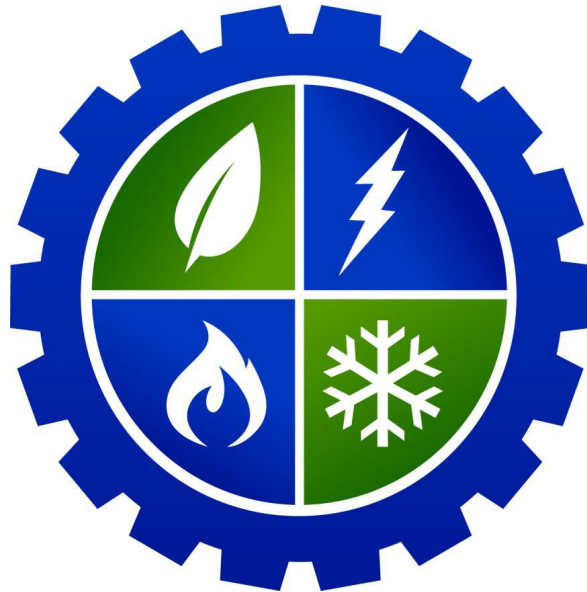


Fall 2026 Schedule of Courses



NAPE
EDUCATIONAL FOUNDATION
HANDS-ON EDUCATION
FOR BUILDING ENGINEERS

For nearly 30 years, the NAPE Educational Foundation, a nonprofit 501(c)(3) organization, has been dedicated to training engineers across all skill levels and backgrounds. Our mission is to consistently deliver high-quality training that not only meets, but exceeds the expectations of today's employers.

**READY FOR YOUR
NEXT CLASS?**



5520 CHEROKEE AVE • SUITE 110 • ALEXANDRIA, VIRGINIA 22312
TEL: 703.845.7055 • INFO@NAPEEF.ORG • WWW.NAPEEF.ORG



READY TO WORK – 60 HOURS

Tuition: \$1,150 • Total: \$1,150

The National Association of Power Engineers (NAPE) Educational Foundation is pleased to announce its new Ready to Work Engineering Kick-Start Program designed to provide you with the training you need to get started in this exciting career as an entry level building engineer. You'll learn the basics of Career/Outlook and Professionalism, HVAC, Electrical Maintenance, Plumbing, Fire Alarm/Safety and more. A job fair will be included to help you put your training to use after you have successfully completed The Ready to Work Program.

READY TO WORK - 26F-150-AL

Duration: 10 Weeks (M & TH)

5:30 pm to 8:30 pm

Monday & Thursday, September 21, 2026 - December 3, 2026

Location: Alexandria, VA

Instructor: Ayala

READY TO WORK - 2026-S-151-GR

Duration: 20 Weeks

9:00 am to 12:00 pm

Saturday, August 1, 2026 - December 12, 2026

Location: Greenbelt, MD

Instructor: Peguero

GENERAL CERTIFICATES OF NAPEEF

Only one course taken at another school will be accepted, and a substitute NAPEEF course must be taken for certification.

The NAPEEF Certificate Program requires students to successfully complete a series of NAPEEF classes in order to qualify for each certificate in the program. These classes have been developed to provide the technical expertise needed to effectively work and advance within the building operations and maintenance profession, and to provide assurance to employers of a level of competency.

General Certificate of Engineering Proficiency

POE, LPB, ACI, ESCT, Controls I

General Certificate of Electrical Proficiency

POE, Electric Motors, ESCT, Schematics

General Certificate of Air Conditioning and Refrigeration

POE, AC1, AC2, AC3, Heat Pumps, Refrigeration, CFC Universal, R 410-A Certification, A2L Certification

Certified Supervising Engineer

POE, AC3, Heat Pumps, The Managing Engineer, Controls, Blueprint Reading, ESCT, Schematics, HPB



***Some courses may require prerequisites. Contact info@napeef.org for more information or visit our website www.napeef.org*

THERE WILL BE NO CLASSES ON:

Martin Luther King Jr Day, Mon. Jan 19

President's Day, Mon. Feb 16

Memorial Day, Mon. May 25

Juneteenth, Wed. June 19

Independence Day, Thurs. Jul 4

Labor Day, Mon. Sept. 7

Columbus Day, Mon. Oct. 12

Veteran's Day, Wed. Nov. 11

Thanksgiving, Thurs. Nov. 26

Christmas Day, Wed. Dec. 25

New Year's Day, Thurs. Jan. 1, 2027

CANCELLATION & REFUND POLICY

If cancellation is made before 14 days prior to the first scheduled class, a full tuition refund will be issued. If the class was paid by credit card, there will be a 3% processing fee that will not be refunded. Cancellations that occur after 14 days prior to the first scheduled class will receive a full refund, but will be charged a \$250 late cancellation fee. If cancellation is on or after the first scheduled class, NO REFUND WILL BE MADE, but tuition can be credited if students want to re-enroll in the class at a later date within one year. ALL CANCELLATIONS MUST BE MADE IN WRITING. BOOKS CANNOT BE REFUNDED.

CLASSES LOCATIONS: VA & MD

Alexandria, VA (AL): 5520 Cherokee Avenue, Alexandria, VA 22312

Greenbelt, MD (GR): Hanover Office Park, located at 7213 Hanover Parkway, Greenbelt, MD 20770



PRINCIPLE OF ELECTRICITY – 30 HOURS



Tuition: \$830 • Books: \$264.15 • Tax: \$15.85 • Total: \$1,100

No prerequisites required. *This is a beginner's course which starts with the basic elements of circuitry, safety rules, understanding of terminology and simple mathematical calculations. It prepares the student for all other aspects of engineering. This course is designed to allow the student to progress directly to our Electrical Systems, Code and Theory course. This is not a wiring class. This course is required for all NAPEEF's electrical classes, and Air Conditioning II. **Basic English and math skills required.***

PRINCIPLES OF ELECTRICITY 26S-205-AL

Wednesday, May 13, 2026 - July 29, 2026

Duration: 12 Weeks

5:30 pm to 8:30 pm

Location: Alexandria, VA

Instructor: Sean McRunnel

PRINCIPLES OF ELECTRICITY 26S-206-AL

Tuesday, June 23, 2026 - September 8, 2026

Duration: 12 Weeks

5:00 pm to 8:00 pm

Location: Alexandria, VA

Instructor: John Hughes

PRINCIPLES OF ELECTRICITY 26F-200-AL

Monday & Thursday, August 3, 2026 - September 14, 2026

Duration: 6 Weeks (M & TH)

5:30 pm to 8:30 pm

Location: Alexandria, VA

Instructor: Sean McRunnel

PRINCIPLES OF ELECTRICITY 26F-201-GR

Wednesday, August 26, 2026 - December 1, 2026

Duration: 12 Weeks

5:00 pm to 8:00 pm

Location: Greenbelt, MD

Instructor: Alek Colvin

SCHEMATICS – 30 HOURS



Tuition: \$843 • Books: \$193.40 • Tax: \$11.60 • Total: \$1,048

Completion of Principles of Electricity course is required. A basic understanding of A/C and electrical components and how they apply to HVAC is necessary before taking this course. Curriculum includes wiring, diagrams, symbols, legends, walk thru and troubleshooting of ladder wiring diagrams.

SCHEMATICS 26F-210-AL

Tuesday, September 29, 2026 - December 1, 2026

Duration: 10 Weeks

5:30 pm to 8:30 pm

Location: Alexandria, VA

Instructor: Eduardo Ayala

ELECTRICAL SYSTEMS, CODE & THEORY – 60 HOURS



Tuition: \$1,300 • Books: \$448.11 • Tax: \$26.89 • Total: \$1,775

Completion of the Principles of Electricity course is required, and intermediate English skills are necessary. This intermediate-level course will focus on electrical principles and components, inductance and capacitance, motors and motor starters, measuring instruments and their use; single and three phase fundamentals, various in-class exercises; alternating current characteristics; safety; electrical formulas and their applications. This course will explore and clarify updated code information. Please note: This is not a wiring class. As time permits there may be some hands-on exercises.

ELECTRICAL SYSTEMS, CODE & THEORY 2026-S-230-AL

Monday, August 12, 2026 - December 2, 2026

Duration: 16 Weeks

5:30 pm to 9:00 pm

Location: Alexandria, VA

Instructor: Sean McRunnel

ELECTRIC MOTORS– 30 HOURS



Tuition: \$951 • Books: \$140.57 • Tax: \$8.43 • Total: \$1,100

Completion of Principles of Electricity course is required. A basic understanding of A/C and electrical components and how they apply to HVAC is necessary before taking this course. Curriculum includes wiring, diagrams, symbols, legends, walk thru and troubleshooting of ladder wiring diagrams.

ELECTRIC MOTORS 26F-220-AL

Wednesday, September 30, 2026 - December 9, 2026

Duration: 10 Weeks

5:30 pm to 8:30 pm

Location: Alexandria, VA

Instructor: Eduardo Ayala



LOW PRESSURE BOILERS – 60 HOURS



Tuition: \$1,195 • Books: \$147.17 • Tax: \$8.83 • Total: \$1,351

This is a beginner's class for those who wish to get the basic knowledge of "steam and hot water heating systems." This provides the basic information to put you on the road to becoming a licensed engineer. This is not a prep course for the 6th Class license, although it may be useful. Intermediate English skills required. Course Curriculum Covers: Boilers: boiler room safety; boiler fittings; boiler room terminology; feed water accessories; fuel oil systems; combustion accessories; feed water systems; draft systems; water treatment; steam systems and boiler operations.

LOW PRESSURE BOILERS - 26F-310-GR	Duration: 10 Weeks (M & TH)	5:00 pm to 8:30 pm
Monday and Thursday, July 13, 2026 - September 21, 2026		Location: Greenbelt, MD Instructor: Roger Simmons
LOW PRESSURE BOILERS - 26F-311-AL	Duration: 10 Weeks (M & TH)	5:00 pm to 8:30 pm
Monday and Thursday, August 17, 2026 - October 29, 2026		Location: Alexandria, VA Instructor: Mario Cerritos
LOW PRESSURE BOILERS - 26F-312-AL	Duration: 16 Weeks	5:00 pm to 8:30 pm
Wednesday, August 19, 2026 - December 9, 2026		Location: Alexandria, VA Instructor: Mario Cerritos
LOW PRESSURE BOILERS - 26F-313-GR	Duration: 10 Weeks (M & TH)	5:00 pm to 8:30 pm
Monday and Thursday, September 28, 2026 - December 10, 2026		Location: Greenbelt, MD Instructor: Roger Simmons

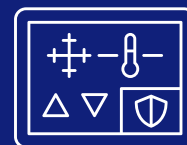
HIGH PRESSURE BOILERS – 60 HOURS



Tuition: \$1,505 • Books: \$240.57 • Tax: \$14.43 • Total: \$1,760

Completion of a Low Pressure Boiler Course, or Licensure (DC 6; MD 3; NIULPE 3) is required. This is curriculum based on selected study materials for the DC Licensing Exam. Because the DC 3rd class test covers more than just steam, this course is not advertised as a prep course, but it focuses on the exam. Course Curriculum Covers: High pressure boilers; boiler fittings; water treatment; fuels and firing equipment; pumps; steam engines; automatic boiler control; boiler operation/maintenance and duplex pumps.

HIGH PRESSURE BOILERS - 26F-320-AL	Duration: 20 Weeks	5:00 pm to 8:00 pm
Tuesday, August 4, 2026- December 15, 2026		Location: Alexandria, VA Instructor: Tim Tucker
HIGH PRESSURE BOILERS - 26F-321-GR	Duration: 20 Weeks	5:00 pm to 8:00 pm
Tuesday, August 4, 2026 - December 15, 2026		Location: Greenbelt, MD Instructor: Alek Colvin



CONTROLS – 60 HOURS



Tuition: \$1,435 • Books: \$250 • Tax: \$15 • Total: \$1,700

Prerequisites are Principles of Electricity and Air Conditioning I. This 60 hours course will cover basic building operations and HVAC systems, as they relate to control systems and components. Specific subjects include: on-off control, switching, control methods, control strategies and control components. Control systems terminology will also be covered, along with input and output measuring methods, psychometrics and control logic. Basic English and Math skills required.

CONTROLS - 26F-502-AL	Duration: 16 Weeks	5:00 pm to 8:00 pm
Thursday, August 20, 2026- December 10, 2026		Location: Alexandria, VA Instructor: TBD



AIR CONDITIONING I – 60 HOURS



Tuition: \$1,400 • Books: \$240.57 • Tax: \$14.43 • Total: \$1,655

***This entry-level course** concentrates on basic refrigeration circuits up to 20 ton package and split systems - air and water-cooled. The goal is for students to develop a basic understanding of the refrigeration cycle and its components. Students are required to attend one weekend lab session. Intermediate English skills are required.*

AIR CONDITIONING I 26F-441-GR Monday & Thursday, August 3, 2026 - September 28, 2026	Duration: 8 Weeks (M & TH)	5:00 pm to 8:30 pm Location: Greenbelt, MD Instructor: Carlos Lopez
AIR CONDITIONING I 26F-440-AL Tuesday, August 4, 2026 - November 17, 2026	Duration: 16 Weeks	5:00 pm to 8:30 pm Location: Alexandria, VA Instructor: Jason Trotman
AIR CONDITIONING I 26F-442-AL Thursday, August 27, 2026 - December 17, 2026	Duration: 16 Weeks	5:00 pm to 8:30 pm Location: Alexandria, VA Instructor: Jason Trotman
AIR CONDITIONING I 26F-443-GR Monday & Thursday, October 19, 2026 - December 14, 2026	Duration: 8 Weeks (M & TH)	5:00 pm to 8:30 pm Location: Greenbelt, MD Instructor: Carlos Lopez

AIR CONDITIONING II – 60 HOURS



Tuition: \$1,505 • Books: \$240.57 • Tax: \$14.43 • Total: \$1,760

***Completion of Air Conditioning I and Principles of Electricity course is required.** This course covers step- by-step methods of analyzing why a system will not run or is inefficient. Procedure taught in service person's language. Electrical and mechanical problems and solutions are covered. Students may be advised to transfer to a lower level course based on a pretest. The textbook is the same as A/C I. Students are required to attend two (2) lab sessions on two weekends. Intermediate English skills required.*

AIR CONDITIONING II 26F-450-GR Tuesday, August 25, 2026 - December 8, 2026	Duration: 16 Weeks	5:00 pm to 8:30 pm Location: Greenbelt, MD Instructor: Fracis Ayensu
AIR CONDITIONING II 26F-451-AL Monday, August 31, 2026 - December 28, 2026	Duration: 16 Weeks	5:00 pm to 8:30 pm Location: Alexandria, VA Instructor: David Umana

HEAT PUMPS – 60 HOURS



Tuition: \$1,400 • Books: \$228.30 • Tax: \$13.70 • Total: \$1,642

***Completion of Air Conditioning II classes is required.** This course specifically covers heat pump operation cycle and efficiency, compressors and motor controls, refrigerant controls, reversing valves, air and water coils, defrosting cycles, supplemental heat, service and troubleshooting and wiring diagrams. Students may be advised to transfer to a lower level course based on a pretest. Advanced English skills required.*

HEAT PUMPS - 26F-470-AL Tuesday, August, 2026 - December, 2026	Duration: 16 Weeks	5:00 pm to 8:30 pm Location: Alexandria, VA Instructor: Jose L Villalobos
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AIR CONDITIONING III – 60 HOURS



Tuition: \$1,345 • Books: \$240.57 • Tax: \$14.43 • Total: \$1,600

***Completion of Heat Pumps courses is required.** This course will focus on large commercial systems including, but not limited to: The study of Psychometrics, Air and Water balancing, Heat load calculations, Chiller Systems, Chiller simulation hands-on experience, Understanding VAV operation, EMS electrical savings, Review of plant operations, Pumps and Cooling towers, Heat Pumps and Troubleshooting Gas and Oil Rooftop units. Students may be advised to transfer to a lower level course based on a pretest.*

AIR CONDITIONING III - 26F-460-AL Wednesday, August, 2026 - December, 2026	Duration: 16 Weeks	5:00 pm to 8:30 pm Location: Alexandria, VA Instructor: Jose L Villalobos
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AIR CONDITIONING



REFRIGERATION - 60 HOURS



Books-\$286.00 • Tax-\$17.16 • Tuition: \$1,344.34 • Total \$1,647.50

Completion of Air Conditioning II courses are required. This course will concentrate on commercial refrigeration and ice machines. The course will cover installation and service of walk-ins, reach-ins, and ice machines as used primarily in the food service industry and in retail stores. Intermediate English skills required.

Refrigeration: 26F-480-AL

Monday, August 10, 2026 - December 7, 2026

Duration: 16 Weeks

5:00 pm to 8:30 pm

Location: Alexandria, VA

Instructor: John Hughes



MISCELLANEOUS

VA JOURNEYMAN & MASTER MECHANICAL PREP COURSE – 45 HOURS



Books \$396 • Tax \$24 • Tuition: \$1,120.00 • Total \$1,540

A review for air conditioning, heating, sheet metal, and plumbing mechanics, preparing for the VA Journeyman or Master Mechanical License exams. For license information, call (804) 367-8500. Virginia and Maryland licenses are now reciprocal.

VA Journeyman & Master Mechanical: 26F-660-AL

Thursday, September 3, 2026 - December 17, 2026

Duration: 15 Weeks

5:00 pm to 8:00 pm

Location: Alexandria, VA

Instructor: David Umana

LEED GREEN ASSOCIATE PREP COURSE – 16 HOURS



Material \$220 • Tuition: \$430.00 • Total \$650.00

The LEED Green Associate (LEED-GA) credential is intended for professionals who want to demonstrate Green Building expertise in non-technical fields of practice. The Green Building Certification Institute (GBCI) has created this credential, which denotes basic knowledge of green design, construction and operations. Applications and fees for the LEED-GA examination are conducted through GBCI. Completion of this seminar is required for the Certified Supervising Engineer (CSE) Certificate.

LEED Green Associate (LEED-GA): 26F-640-AL

TBD, November, 2026 - November, 2026

Duration: 4 Weeks

4:00 pm to 8:00 pm

Location: Alexandria, VA

Instructor: David Ferrara

THE MANAGING ENGINEER - 45 HOURS



Tuition: \$1,050 • Total: \$1,050

This course is recommended for individuals who have several years in the field and desire to learn the many aspects of a supervisor's fiduciary duties and responsibilities that they will encounter as a Managing Engineer. This course provides the student with an understanding and introduction to the tools, management skills, objectives, and general knowledge and understanding a supervisor needs to become an effective manager and leader. The course curriculum also covers the following: Business Writing (reports and email communication), Project Management, Organizational Skills, and Crisis Management. This course is required to receive the Supervising Engineer Award. Advanced English skills required.

THE MANAGING ENGINEER - 26F-710-AL

Thursday, August 13, 2026 - November 19, 2026

Duration: 15 Weeks

4:00 pm to 7:00 pm

Location: Alexandria, VA

Instructor: Nelson Peguero



BLUEPRINT READING – 30 HOURS

Tuition: \$900 • Books: \$195.28 • Tax: \$11.72 • Total: \$1,107



No pretest is required for this course. This course is designed to provide information on reading and interpreting building plans and specifications. Types of drawings, details, symbols, and schedules are introduced. Upon course completion, students will be able to understand the drawings and schematics for their buildings, increasing their ability to communicate with contractors, architects and management. Intermediate English skills required.

BLUEPRINT READING - 26F-700-AL

Monday, September 21, 2026 - November 30, 2026

Duration: 10 Weeks

5:30 pm to 8:30 pm

Location: Alexandria, VA

Instructor: Sean McRunnel

SEMINARS



CFC SEMINAR & TEST - 12 HOURS

Tuition: \$580 • Total \$580 (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. Format: Seminar for four sessions. Exam is on the last session.

CFC SEMINAR & TEST

Monday, August 3, 2026 - August 24, 2026

Duration: 4 Weeks

5:00 pm to 8:00 pm

Location: Alexandria, VA

Instructor: Jose L Villalobos

CFC SEMINAR & TEST

Monday, September 14, 2026 - October 5, 2026

Duration: 4 Weeks

5:00 pm to 8:00 pm

Location: Alexandria, VA

Instructor: Will Tucker

Dates for CFC Testing & Retesting in Alexandria, VA on the third FRIDAY of the month at 1 pm only call for dates. Please call for information 703-845-7055. No PO's accepted for payment. Registration closes Thursday prior to testing. Retest \$70 (if last test taken within three months). For Students who believe that they don't need the seminar before taking the examination, a \$175 fee will be charged for taking the first test. If the student fails the test a \$90 charge will be assessed for a retest if taken within three months of the original test.

R-410A SEMINAR



Tuition: 300• Total \$300 (Test Included)

Prerequisites: Air Conditioning I 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. R-410 A Certification is required for the GCAR Certificate.

R-410A and NEW REFRIGERANTS SEMINAR

Saturday, August 14, 2026

Duration: 1 Day

8:00 am to 2:00 pm

Location: Alexandria, VA

Instructor: Jose L Villalobos

A2L NEW REFRIGERANT SEMINAR



Tuition: 400• Total \$400 (Test Included)

Prerequisites: Air Conditioning I and CFC Universal. This seminar will cover characteristics of A2L; new tool requirements, charging; safety; HFC equipment availability, different refrigerants; etc. The seminar is an exam preparation for NAPE's A2L Certificate test, which is administered at the end of the seminar. A2L Certification is required for the GCAR Certificate.

A2L NEW REFRIGERANT SEMINAR

Saturday, September 5, 2026

Duration: 1 Day

8:00 am to 3:00 pm

Location: Alexandria, VA

Instructor: Jose L Villalobos