

2020 UPCOMING TRAINING CLASSES

June - September 2020



DATE	CLASS	TIME	LOCATION	COST	DISTRIBUTOR HOURS
Wednesday, June 3, 2020	BRYANT LIGHT COMMERCIAL RTU TRAINING	8:00-12:00	Toledo*	\$75	4
Saturday, June 6, 2020	AIR CONDITIONING 3	8:30 - 5:00	New Hudson	\$250	8
Tuesday, June 9, 2020	EPA SECTION 608 COURSE & EXAM	8:30-5:00	New Hudson	\$250	8
Wednesday, June 17, 2020	VRF INSTALL TRAINING	8:30-4:00	New Hudson	\$125	7
Saturday, June 20, 2020	EPA SEC 608 CERTIFICATION	8:30 - 5:00	Flint	\$250	8
Wednesday, June 24, 2020	VRF SERVICE TRAINING	8:30-4:00	New Hudson	\$125	7
Wednesday, August 19, 2020	VRF INSTALL TRAINING	8:30-4:00	New Hudson	\$125	7
Wednesday, August 26, 2020	NATE TESTING	8:00-12:00	Flint	\$125	N/A
Wednesday, August 26, 2020	VRF INSTALL TRAINING	8:30-4:00	Toledo*	\$125	7
Saturday, August 29, 2020	HVAC SCHEMATICS	8:30 - 5:00	Lansing	\$250	8
Tuesday, September 1, 2020	DUCTLESS INSTALL TRAINING	8:00-12:00	New Hudson	\$75	4
Wednesday, September 2, 2020	DUCTLESS INSTALL TRAINING	8:00-12:00	Flint	\$75	4
Thursday, September 3, 2020	DUCTLESS INSTALL TRAINING	8:00-12:00	Lansing	\$75	4
Saturday, September 12, 2020	HOT WATER BOILER BASICS	8:30 - 5:00	Grand Rapids	\$250	8
Tuesday, September 15, 2020	DUCTLESS SERVICE TRAINING	8:00-12:00	New Hudson	\$75	4
Wednesday, September 16, 2020	DUCTLESS SERVICE TRAINING	8:00-12:00	Flint	\$75	4
Thursday, September 17, 2020	DUCTLESS SERVICE TRAINING	8:00-12:00	Lansing	\$75	4
Wednesday, September 23, 2020	VRF SERVICE TRAINING	8:30-4:00	New Hudson	\$125	7
Saturday, September 26, 2020	HOT WATER BOILER BASICS	8:30 - 5:00	New Hudson	\$250	8
Tuesday, September 29, 2020	BRYANT 900 SERIES FURNACE BASICS	8:00-12:00	Toledo*	\$75	4

Students who provide their NATE ID are eligible for NATE Continuing Education Credits.

For Bryant Factory Training, go to mlctraining.com.

Cancellation Policy: Full Refund only if cancellation occurs at least 48 hours prior to class by calling 616.534.5136.

*Visit b-y.com/training for location details.

2020 UPCOMING TRAINING CLASSES

October - November 2020



DATE	CLASS	TIME	LOCATION	COST	DISTRIBUTOR HOURS
Saturday, October 3, 2020	HOT WATER BOILER SCHEMATIC WIRING DIAGRAMS	8:30 - 5:00	Flint	\$250	8
Tuesday, October 6, 2020	BRYANT LIGHT COMMERCIAL RTU TRAINING	8:00-12:00	Lansing	\$75	4
Wednesday, October 7, 2020	BRYANT LIGHT COMMERCIAL RTU TRAINING	8:00-12:00	Macomb	\$75	4
Thursday, October 8, 2020	BRYANT LIGHT COMMERCIAL RTU TRAINING	8:00-12:00	New Hudson	\$75	4
Tuesday, October 13, 2020	BRYANT 900 SERIES FURNACE BASICS	8:00-12:00	Flint	\$75	4
Wednesday, October 14, 2020	BRYANT 900 SERIES FURNACE BASICS	8:00-12:00	Warren	\$75	4
Thursday, October 15, 2020	BRYANT 900 SERIES FURNACE BASICS	8:00-12:00	Macomb	\$75	4
Saturday, October 17, 2020	STEAM BOILER BASICS	8:30 - 5:00	New Hudson	\$250	8
Wednesday, October 21, 2020	VRF INSTALL TRAINING	8:30-4:00	New Hudson	\$125	7
Wednesday, October 28, 2020	NATE TESTING	8:00-12:00	New Hudson	\$125	N/A
Tuesday, November 3, 2020	DUCTLESS INSTALL TRAINING	8:00-12:00	Macomb	\$75	4
Wednesday, November 4, 2020	DUCTLESS INSTALL TRAINING	8:00-12:00	Grand Rapids	\$75	4
Thursday, November 5, 2020	DUCTLESS INSTALL TRAINING	8:00-12:00	Livonia	\$75	4
Saturday, November 7, 2020	HOT WATER BOILER SCHEMATIC WIRING DIAGRAMS	8:30 - 5:00	New Hudson	\$250	8

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2020
UPCOMING TRAINING CLASSES

December 2020



DATE	CLASS	TIME	LOCATION	COST	DISTRIBUTOR HOURS
Tuesday, December 1, 2020	DUCTLESS SERVICE TRAINING	8:00-12:00	Macomb	\$75	4
Wednesday, December 2, 2020	DUCTLESS SERVICE TRAINING	8:00-12:00	Grand Rapids	\$75	4
Thursday, December 3, 2020	DUCTLESS SERVICE TRAINING	8:00-12:00	Livonia	\$75	4
Saturday, December 5, 2020	ROOF TOP UNIT TROUBLESHOOTING	8:30 - 5:00	New Hudson	\$250	8
Wednesday, December 9, 2020	VRF INSTALL TRAINING	8:30-4:00	New Hudson	\$125	7
Thursday, December 10, 2020	NATE TESTING	8:00-12:00	Livonia	\$125	N/A
Wednesday, December 16, 2020	VRF SERVICE TRAINING	8:30-4:00	New Hudson	\$125	7

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CLASS DESCRIPTIONS

DUCTLESS INSTALL TRAINING

In this training you will learn to understand Ductless technology and principles, explore the Ductless product line features and specifications, examine Ductless product functions and operations, review installation procedures, best practices, and testing, identify and review start up procedures, and discuss troubleshooting codes and best practices.

DUCTLESS SERVICE TRAINING

In this training you will learn to understand Ductless technology and principles, proper start up and test procedures, using service tools, testing system components, and troubleshooting fault codes.

VRF INSTALL TRAINING

In this training you will learn to understand VRF technology and application, explore the Bryant VRF product line features and specifications, examine Bryant VRF product features and controls. review installation procedures, best practices, and testing, identify and review start-up procedures, discuss troubleshooting codes and best practices, and participate in hands-on activities and practice. This course is a pre-requisite for the service training.

VRF SERVICE TRAINING

In this training you will learn to understand VRF technology and application, proper start up and test procedures, how to use service tool software, troubleshooting fault codes, and participate in hands-on activities and practice. Bryant VRF Install is a pre-requisite to this Service Training.

NATE TESTING

NATE certification tests represent real working knowledge of HVACR systems and are designed to allow you to be certified in specific knowledge areas. You can earn installation, service or senior certification in one or more of the following specialty areas: - Air Conditioning (AC) - Air Distribution (AD) - Heat Pumps (Air-to-Air) (HP) - Gas Heating (GS) - Oil Heating (OL) - Hydronics Gas (HG) (service only) - Hydronics Oil (HO) (service only)- Light Commercial Refrigeration (LC) (service only) - Commercial Refrigeration (RC)(service only) - Ground Source Heat Pump Loop Installer - HVAC Efficiency Analyst (Senior Level) (EA) - HVAC Performance Verifier (for HERS Raters) - Industry Competency Exams.

BRYANT 900 SERIES FURNACE BASICS

This class covers installation, startup and sequence of operation of the Bryant 900 series furnace and updates to the furnaces including the new models due to the new Fan Efficiency Ratings (FER). The Evolution Connex will be covered as it applies to the 987M and 986T Evolution series furnaces.

BRYANT LIGHT COMMERCIAL RTU TRAINING

This training will cover different components of Bryant rooftops, such as IGC board, Terminal board and economizers. The IGC board controls heating operation and simplifies troubleshooting. Terminal board is the main connection point for accessories. Economizer as it implies to "economize" or save on cooling costs. Proper startup - checking for proper 3 phase voltage and amps, adjustment of airflow including checking RPM of the blower wheel.

BRYANT A/C & HEAT PUMP TRAINING

Learn about the air conditioning & heat pump product lines; how a heat pump system works on both air conditioning and heating modes. Also, learn how to service and install both air conditioners and heat pumps.

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CLASS DESCRIPTIONS CONT.

AIR CONDITIONING 2

Students must have some air conditioning experience before taking this class. It is assumed that all participants know the basics - as covered in Air Conditioning I (Basics). Students will learn how to calculate air flow across an evaporator coil, measure and adjust superheat, select replacement capacitors, wire hard start kits, charge and evacuate familiar and unfamiliar systems, fine tune, and troubleshoot electrical and refrigeration side problems. Workbook is provided.

AIR CONDITIONING 3

This course will cover fan static pressure, determining correct fan speed, and temperature drop. Compressor testing and troubleshooting, water-cooled condensers, water regulating valves, cooling tower operation, commercial controls and safety devices, sling psychrometer use and operation, psychrometric chart usage and its use in troubleshooting air-side problems and determining system capacity, phase monitoring, delta and wye transformer power sources including wild leg configuration, and system cleanup after a compressor burnout will be covered in detail. Commercial system wiring diagrams will be explored to give the student better electrical troubleshooting and design skills. Calculator required.

ROOF TOP UNIT TROUBLESHOOTING

Concentrates on light commercial gas/electric and electric/electric heating cooling rooftop units. Topics include multi-stage controls, capacity control, phase loss monitors, electro mechanical and solid state economizers and enthalpy controls, differential enthalpy control, anti-short cycle devices, head pressure controllers, electronic lockout control modules, air flow across evaporator coils, and control system troubleshooting. Participants should have a complete working knowledge of heating and air conditioning equipment before taking this seminar. Workbook is provided.

HVAC SCHEMATICS

This class will acquaint the student with basic electrical terms, components, and circuits found in the HVAC industry. Schematic diagrams will be built from scratch. Each student will also learn to read schematic and pictorial diagrams and fully understand how to determine the sequence of operation of residential and commercial rooftop equipment (Economizers will not be covered. See the rooftop class for coverage of economizers).

EPA SECTION 608 COURSE & EXAM

A course designed to provide basic training in preparation for EPA approved refrigerant handling certification. The course covers ozone depletion theory, the Clean Air Act, EPA Regulations, refrigerant recovery, recycling, recovery, safe refrigerant- handling, and alternative refrigerants. At the conclusion of the seminar participants take the test which will be administered by a proctor. Seminar fee includes a study manual, 6 hours of professional instruction, examination administration, and certification cards for those who pass the examination. Enrollees may become certified in Type I, Type II, Type III, or Universal.

HOT WATER BOILER SCHEMATIC WIRING DIAGRAMS

This course will include complete wiring diagrams for 5 of the ways a hot water boiler can be wired plus most of the variations a service technician or installer may encounter. Participants will learn how to connect the following zone valves: Honeywell, White Rodgers two and three wire, Flair, B & G, and Taco. Also covered will be how to wire low/hi limit controllers, triple aquastats (both gas and oil), Tekmar single zone reset controllers and how to wire them, how to wire 2 types of electronic low water cut-off, and how all of the controls connect to the usual boiler burner and pump circuits.

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CLASS DESCRIPTIONS CONT.

HOT WATER BOILER BASICS

Familiarizes the student with various types of residential and light commercial hot water boilers, through 299,000 BTU, and basic operating principles. Topics covered will include: air elimination, baseboard radiation, circulator pumps, expansion tanks, low water cutoffs, piping, altitude/pressure gages, pressure reducing valves, high and low limit adjustments, zone valves, control systems and wiring, and electrical as well as water side troubleshooting. No previous boiler experience necessary. Workbook is provided.

STEAM BOILER BASICS

This class familiarizes the student with various types of residential and light commercial steam boilers and basic operating principles. Topics covered will include: baseboard radiators and convectors, pressuretrols, gage glass installation, low water cutoffs, Hartford loops, one and two pipe systems, radiator and return vents, radiator and convector traps, pressure gauges, pressure relief valves, high/low limit adjustments, steam hammer causes and cures, zone valves, control systems, wiring, and electrical as well as water side troubleshooting. No previous boiler experience necessary. Workbook is provided.

To register for Bryant factory training courses, go to mlctraining.com

**FOR MORE DETAILS & TO REGISTER GO TO
[BEHLER-YOUNG.COM/TRAINING](https://mlctraining.com/training)
OR VISIT THE B-Y APP**

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