

THE BLUE COLLAR VIRTUAL TRADE SCHOOL - RESIDENTIAL HVAC TECHNICIAN TRAINING



RESIDENTIAL HVAC FUNDAMENTALS ~ Following this competency path will give you the understanding you need to jumpstart your new HVAC career. You will also be prepared to sit for the NATE Ready-to-Work exam, and take your first formal step into your new HVAC career.

Trade Specialty	Course ID	Course Title	Skill Level	Media Type	Continuing Ed Credit
HVAC	HVAC050	What is HVAC?	Beginner	Video	IACET - NATE
HVAC	HVAC051	HVAC Systems	Beginner	Video	IACET - NATE
HVAC	HVAC052	HVAC System Parts	Beginner	Video	IACET - NATE
HVAC	HVAC100	NATE Ready-to-Work Exam Prep	Beginner	Video	IACET
HVAC	HVAC103	Basic HVAC Tools	Beginner	Video	IACET - NATE
HVAC	HVAC116	HVAC Technicians	Beginner	3D/SIM	IACET - NATE

RESIDENTIAL HVAC TECHNICIAN - BEGINNER LEVEL

Trade Specialty	Course ID	Course Title	Skill Level	Media Type	Continuing Ed Credit
SAFETY	HVAC053	Ladder and Fall Safety	Beginner	Video	IACET - NATE
HVAC	HVAC054	Trades Math	Beginner	Video	
HVAC	HVAC055	Aftermarket Parts	Beginner	Video	
HVAC	HVAC056	Aftermarket Motors	Beginner	Video	
HVAC	HVAC059	AC System Tools - Pressure and Refrigerant Basics	Beginner		
HVAC	HVAC060	SEER Ratings & AHRI Matchups	Beginner		
HVAC	HVAC070	Intro to HVAC Mechanical Code Regulations	Beginner	Video	
HVAC	HVAC071	Comfort and Humidity	Beginner	Video	
HVAC	HVAC072	Psychrometrics	Beginner	Video	
HVAC	HVAC073	Comfort and Airflow	Beginner	Video	

HVAC	HVAC074	Ductwork Fabrication and Installation Overview	Beginner	Video	
HVAC	HVAC075	Residential Ducted A/C and Heat Pump Installation	Beginner	Video	
HVAC	HVAC076	Gas Furnace Commissioning Overview	Beginner	Video	
HVAC	HVAC077	Residential Split A/C System Commissioning	Beginner	Video	
HVAC	HVAC080	Residential HVAC Controls	Beginner	Video	
HVAC	HVAC081	Solid State Electronics	Beginner	Video	
HVAC	HVAC101	Introduction to Refrigeration Systems	Beginner	Video	IACET - NATE
HVAC	HVAC102	Temperature Pressure and Heat	Beginner	Video	IACET - NATE
HVAC	HVAC104	Leak Check and Evacuation	Beginner	Video	IACET - NATE
HVAC	HVAC105	Charging Part 1: Tools and Rules	Beginner	Video	IACET - NATE
HVAC	HVAC106	Charging Part 2: Subcooling and Superheat	Beginner	Video	IACET - NATE
HVAC	HVAC107	HVAC Safety Basics	Beginner	Video	IACET - NATE
HVAC	HVAC108	Evaporators and Condensers	Beginner	Video	IACET - NATE
HVAC	HVAC109	Metering Devices	Beginner	Video	IACET - NATE
HVAC	HVAC110	Intro to Heat Pumps	Beginner	Video	IACET - NATE
HVAC	HVAC111	Compressors	Beginner	Video	IACET - NATE
HVAC	HVAC112	Intro to Chillers	Beginner	Video	IACET - NATE
HVAC	HVAC113	HVAC Maintenance	Beginner	Video	IACET - NATE
HVAC	HVAC114	HVAC Ducting and Airflow	Beginner	Video	IACET - NATE
HVAC	HVAC115	HVAC Supplies	Beginner	Video	IACET - NATE
HVAC	HVAC117	Introduction to Cold Climate Heat Pumps	Beginner	Video	
HVAC	HVAC119	Manual J Calculations	Beginner	Video	
HVAC	HVAC120	Manual D Calculations	Beginner	Video	
HVAC	HVAC280	Packaged Terminal Air Conditioner (PTAC) Maintenance	Beginner	3D/SIM	
HVAC	HVAC502	Fluid Cooler Preventive Maintenance	Beginner	3D/SIM	IACET - NATE

RESIDENTIAL HVAC TECHNICIAN - SAFETY COURSES

Trade Specialty	Course ID	Course Title	Skill Level	Media Type	Continuing Ed Credit
HVAC	SAF210	Bloodborne Pathogens Awareness	Beginner	Video	
HVAC	SAF211	Heat Stress Recognition and Prevention	Beginner	Video	
HVAC	SAF212	Hazard Communications	Beginner	Video	
HVAC	SAF213	Lockout/Tagout Awareness	Beginner	Video	
HVAC	SAF214	Hot Work	Beginner	Video	
HVAC	SAF215	Personal Protective Equipment (PPE)	Beginner	Video	
HVAC	SAF216	Emergency Response	Beginner	Video	
HVAC	SAF217	Preventing Slips Trips and Falls	Beginner	Video	
HVAC	SAF219	Ladder Safety	Beginner	Video	
HVAC	SAF220	Back Safety and Injury Prevention	Beginner	Video	
HVAC	SAF221	Hand and Power Tool Safety	Beginner	Video	

RESIDENTIAL HVAC TECHNICIAN - ELECTRICAL COURSES

Trade Specialty	Course ID	Course Title	Skill Level	Media Type	Continuing Ed Credit
HVAC	ELEC055	Ladder and Fall Safety	Beginner		
HVAC	ELEC101	Fundamental Electrical Concepts	Beginner	Video	IACET - NATE
HVAC	ELEC102	Electrical Panels: Components and Safety	Beginner	Video	IACET - NATE
HVAC	ELEC103	Electrical Safety	Beginner	Video	IACET - NATE
HVAC	ELEC112	Lockout/Tagout	Beginner	Video	IACET - NATE
HVAC	ELEC113	How to Use a Multimeter	Beginner	3D/SIM	IACET - NATE
HVAC	ELEC120	AC Motor Lab	Beginner	3D/SIM	
HVAC	ELEC125	Grounding and Bonding	Beginner	Video	
HVAC	ELEC251	Electrical Safety - NFPA70-E	Beginner		
HVAC	ELEC252	Electrically Safe to Work Procedures	Intermediate	3D/SIM	

RESIDENTIAL HVAC TECHNICIAN - INTERMEDIATE LEVEL

Trade Specialty	Course ID	Course Title	Skill Level	Media Type	Continuing Ed Credit
HVAC	HVAC058	Refrigerants Overview	Intermediate		
HVAC	HVAC201	Symbols and Wiring Diagrams	Intermediate	Video	IACET - NATE
HVAC	HVAC202	Thermostats and Heating Controls	Intermediate	Video	IACET - NATE
HVAC	HVAC203	Meters Switches Loads & Circuits	Intermediate	Video	IACET - NATE
HVAC	HVAC204	HVAC Motors	Intermediate	Video	IACET - NATE
HVAC	HVAC205	Contactors and Motor Starters	Intermediate	Video	IACET - NATE
HVAC	HVAC206	Compressor Starting Relays and Capacitors	Intermediate	Video	IACET - NATE
HVAC	HVAC207	Troubleshooting Motors	Intermediate	Video	IACET - NATE
HVAC	HVAC210	Airflow Testing Procedures	Intermediate	3D/SIM	IACET - NATE
HVAC	HVAC221	Refrigeration System Accessories	Intermediate	Video	IACET - NATE
HVAC	HVAC222	Diagnosing Compressor Problems	Intermediate	Video	IACET - NATE
HVAC	HVAC230	Low GWP Refrigerant	Intermediate	Video	
HVAC	HVAC251	EPA Section 608 Prep Course: Core	Intermediate	Video	IACET - NATE
HVAC	HVAC252	EPA Section 608 Prep Course: Type I	Intermediate	Video	IACET - NATE
HVAC	HVAC253	EPA Section 608 Prep Course: Type II	Intermediate	Video	IACET - NATE
HVAC	HVAC254	EPA Section 608 Prep Course: Type III	Intermediate	Video	IACET - NATE
HVAC	HVAC255	EPA Section 608 Prep Course: Chart Applications & Test Prep	Intermediate	Video	
HVAC	HVAC260	Fall HVAC Maintenance Procedures	Intermediate	3D/SIM	
HVAC	HVAC268	Combustion Analysis	Intermediate	3D/SIM	
HVAC	HVAC274	Leak Evacuation and Charging	Intermediate	3D/SIM	IACET - NATE
HVAC	HVAC350	Rooftop Unit Maintenance	Intermediate	3D/SIM	
HVAC	HVAC361	High Efficiency Boiler Troubleshooting	Intermediate	3D/SIM	

RESIDENTIAL HVAC TECHNICIAN - ADVANCED LEVEL

Trade Specialty	Course ID	Course Title	Skill Level	Media Type	Continuing Ed Credit
HVAC	HVAC223	Diagnosing A/C Systems	Advanced	Video	IACET - NATE
HVAC	HVAC301	Residential A/C Troubleshooting	Advanced	3D/SIM	IACET - NATE

HVAC	HVAC311	Gas Boiler Troubleshooting	Advanced	3D/SIM	IACET - NATE
HVAC	HVAC315	Electric Furnace Troubleshooting	Advanced	3D/SIM	IACET - NATE
HVAC	HVAC321	Gas Furnace Troubleshooting	Advanced	3D/SIM	IACET - NATE
HVAC	HVAC331	Commercial A/C Troubleshooting (3 Phase Compressor)	Advanced	3D/SIM	IACET - NATE
HVAC	HVAC341	Heat Pump Troubleshooting (Residential)	Advanced	3D/SIM	IACET - NATE
HVAC	HVAC351	Rooftop Unit Troubleshooting	Advanced	3D/SIM	IACET - NATE
HVAC	HVAC375	Mini Split Troubleshooting	Advanced	3D/SIM	
HVAC	HVAC701	Gas Rooftop Refrigeration Troubleshooting	Advanced	3D/SIM	

RESIDENTIAL HVAC TECHNICIAN - Q1 2023 RELEASE DATE

Trade Specialty	Course ID	Course Title	Skill Level	Media Type	Continuing Ed Credit
HVAC		Cold Climate Heat Pump Retrofitting			
HVAC		OSHA 10 Training Program			
HVAC		EPA Section 608 Certification			



**THE BLUE COLLAR RECRUITER
&
VIRTUAL TRADE SCHOOL**

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