

THE BLUE COLLAR VIRTUAL TRADE SCHOOL - FACILITIES MAINTENANCE TRAINING



This Career Track prepares you to perform work involving the skills of two or more maintenance or tradecraft occupations such as HVAC, plumbing and electrical work in order to keep machines, mechanical equipment, or the structure of a building in good working order.

CONSTRUCTION & REFRIGERATION BASICS

Trade Specialty	Course ID	Course Title	Skill Level	Media Type	Continuing Ed Credit
Facilities Maintenance	CNST102	Painting Basics	Beginner	Video	
Facilities Maintenance	CNST108	Interior Finishing: Drywall	Beginner	3D/SIM	
Facilities Maintenance	CREF101	Packaged Refrigeration Unit Basics	Beginner	Video	
Facilities Maintenance	CREF103	Introduction to Rack Refrigeration Systems	Beginner	Video	

ELECTRICAL BASICS

Trade Specialty	Course ID	Course Title	Skill Level	Media Type	Continuing Ed Credit
Facilities Maintenance	ELEC053	Trades Math	Beginner	Video	
Facilities Maintenance	ELEC101	Fundamental Electrical Concepts	Beginner	Video	IACET - NATE
Facilities Maintenance	ELEC102	Electrical Panels: Components and Safety	Beginner	Video	IACET - NATE
Facilities Maintenance	ELEC103	Electrical Safety	Beginner	Video	IACET - NATE

Facilities Maintenance	ELEC104	Intro to Electrical Code	Beginner	Video	IACET - NATE
Facilities Maintenance	ELEC105	Power Distribution Delta and Wye Systems	Beginner	Video	IACET - NATE
Facilities Maintenance	ELEC106	Electrical Tools	Beginner	Video	IACET - NATE
Facilities Maintenance	ELEC107	Wire Types and Sizes	Beginner	Video	IACET - NATE
Facilities Maintenance	ELEC108	AC Power	Beginner	Video	IACET - NATE
Facilities Maintenance	ELEC109	Introduction to Electrical Circuits	Beginner	Video	IACET - NATE
Facilities Maintenance	ELEC110	Ampacity and Wire Sizing	Beginner	Video	IACET - NATE
Facilities Maintenance	ELEC111	Electrical Devices	Beginner	Video	IACET - NATE
Facilities Maintenance	ELEC112	Lockout/Tagout	Beginner	Video	IACET - NATE
Facilities Maintenance	ELEC113	How to Use a Multimeter	Beginner	3D/SIM	IACET - NATE
Facilities Maintenance	ELEC124	Introduction to Fire Alarm Systems	Beginner	Video	
Facilities Maintenance	ELEC125	Grounding and Bonding	Beginner	Video	
Facilities Maintenance	ELEC251	Electrical Safety - NFPA70-E	Beginner		
Facilities Maintenance	ELEC253	Lockout Tagout Program	Beginner		

HVAC BASICS					
Trade Specialty	Course ID	Course Title	Skill Level	Media Type	Continuing Ed Credit
Facilities Maintenance	HVAC050	What is HVAC?	Beginner	Video	IACET - NATE
Facilities Maintenance	HVAC051	HVAC Systems	Beginner	Video	IACET - NATE
Facilities Maintenance	HVAC052	HVAC System Parts	Beginner	Video	IACET - NATE
Facilities Maintenance	HVAC053	Ladder and Fall Safety	Beginner	Video	IACET - NATE
Facilities Maintenance	HVAC054	Trades Math	Beginner	Video	
Facilities Maintenance	HVAC059	AC System Tools - Pressure and Refrigerant Basics	Beginner		

Facilities Maintenance	HVAC100	NATE Ready-to-Work Exam Prep	Beginner	Video	IACET
Facilities Maintenance	HVAC101	Introduction to Refrigeration Systems	Beginner	Video	IACET - NATE
Facilities Maintenance	HVAC102	Temperature Pressure and Heat	Beginner	Video	IACET - NATE
Facilities Maintenance	HVAC103	Basic HVAC Tools	Beginner	Video	IACET - NATE
Facilities Maintenance	HVAC104	Leak Check and Evacuation	Beginner	Video	IACET - NATE
Facilities Maintenance	HVAC105	Charging Part 1: Tools and Rules	Beginner	Video	IACET - NATE
Facilities Maintenance	HVAC106	Charging Part 2: Subcooling and Superheat	Beginner	Video	IACET - NATE
Facilities Maintenance	HVAC107	HVAC Safety Basics	Beginner	Video	IACET - NATE
Facilities Maintenance	HVAC108	Evaporators and Condensers	Beginner	Video	IACET - NATE
Facilities Maintenance	HVAC109	Metering Devices	Beginner	Video	IACET - NATE
Facilities Maintenance	HVAC110	Intro to Heat Pumps	Beginner	Video	IACET - NATE
Facilities Maintenance	HVAC111	Compressors	Beginner	Video	IACET - NATE
Facilities Maintenance	HVAC112	Intro to Chillers	Beginner	Video	IACET - NATE
Facilities Maintenance	HVAC113	HVAC Maintenance	Beginner	Video	IACET - NATE
Facilities Maintenance	HVAC114	HVAC Ducting and Airflow	Beginner	Video	IACET - NATE
Facilities Maintenance	HVAC115	HVAC Supplies	Beginner	Video	IACET - NATE
Facilities Maintenance	HVAC116	HVAC Technicians	Beginner	3D/SIM	IACET - NATE
Facilities Maintenance	HVAC118	Variable Refrigerant Flow (VRF) System Overview	Beginner	Video	
Facilities Maintenance	HVAC211	Introduction to Pumps	Beginner	Video	
Facilities Maintenance	HVAC212	Introduction to Commercial Air Handling Units	Beginner		
Facilities Maintenance	HVAC280	Packaged Terminal Air Conditioner (PTAC) Maintenance	Beginner	3D/SIM	
Facilities Maintenance	HVAC500	Chiller Systems	Beginner	Video	

Facilities Maintenance	HVAC502	Fluid Cooler Preventive Maintenance	Beginner	3D/SIM	IACET - NATE
Facilities Maintenance	HVAC503	Introduction to Walk-In Freezers	Beginner	Video	
Facilities Maintenance	HVAC505	Centrifugal Pump Repair	Beginner	3D/SIM	
Facilities Maintenance	MFAM050	Cleaning Basics	Beginner	Video	
Facilities Maintenance	MFAM051	Cleaning Chemicals and Safety	Beginner	Video	

PLUMBING BASICS

Trade Specialty	Course ID	Course Title	Skill Level	Media Type	Continuing Ed Credit
Facilities Maintenance	PLMB100	How Does Plumbing Work?	Beginner	Video	IACET - NATE
Facilities Maintenance	PLMB101	Basic Plumbing Tools	Beginner	Video	IACET - NATE
Facilities Maintenance	PLMB102	Plumbing Materials Overview	Beginner	Video	IACET - NATE
Facilities Maintenance	PLMB103	Plumbing Fixtures Overview	Beginner	Video	IACET - NATE
Facilities Maintenance	PLMB104	Plumbing Demolition	Beginner	Video	IACET - NATE
Facilities Maintenance	PLMB105	Plumbing Fixtures Installation	Beginner	Video	IACET - NATE
Facilities Maintenance	PLMB106	Caulking and Sealing	Beginner	Video	IACET - NATE
Facilities Maintenance	PLMB107	Plumbing Code Overview	Beginner	Video	IACET - NATE
Facilities Maintenance	PLMB108	Introduction to Water Heaters	Beginner	Video	IACET - NATE
Facilities Maintenance	PLMB110	Gas Water Heater Operation	Beginner	Video	IACET - NATE
Facilities Maintenance	PLMB111	Water Heater Maintenance	Beginner	Video	IACET - NATE
Facilities Maintenance	PLMB112	Plumbing Maintenance	Beginner	Video	IACET - NATE
Facilities Maintenance	PLMB113	Fittings and Valves	Beginner	Video	IACET - NATE
Facilities Maintenance	PLMB114	Hangers and Supports	Beginner	Video	IACET - NATE
Facilities Maintenance	PLMB115	Tubular and Fixture Trim	Beginner	Video	IACET - NATE

Facilities Maintenance	PLMB116	Drains	Beginner	Video	IACET - NATE
Facilities Maintenance	PLMB117	Water Treatment and Well Systems	Beginner	Video	IACET - NATE
Facilities Maintenance	PLMB118	Plumbing Safety	Beginner	Video	

SAFETY AWARENESS & PROCEDURES

Trade Specialty	Course ID	Course Title	Skill Level	Media Type	Continuing Ed Credit
Facilities Maintenance	SAF210	Bloodborne Pathogens Awareness	Beginner	Video	
Facilities Maintenance	SAF211	Heat Stress Recognition and Prevention	Beginner	Video	
Facilities Maintenance	SAF212	Hazard Communications	Beginner	Video	
Facilities Maintenance	SAF213	Lockout/Tagout Awareness	Beginner	Video	
Facilities Maintenance	SAF214	Hot Work	Beginner	Video	
Facilities Maintenance	SAF215	Personal Protective Equipment (PPE)	Beginner	Video	
Facilities Maintenance	SAF216	Emergency Response	Beginner	Video	
Facilities Maintenance	SAF217	Preventing Slips Trips and Falls	Beginner	Video	
Facilities Maintenance	SAF218	Intro to Fire Safety and Portable Fire Extinguishers	Beginner	Video	
Facilities Maintenance	SAF219	Ladder Safety	Beginner	Video	
Facilities Maintenance	SAF220	Back Safety and Injury Prevention	Beginner	Video	
Facilities Maintenance	SAF221	Hand and Power Tool Safety	Beginner	Video	
Facilities Maintenance	SAF222	Personal Protective Equipment for Commercial Use	Beginner	Video	

FACILITIES MAINTENANCE/ELECTRICAL - INTERMEDIATE LEVEL

Trade Specialty	Course ID	Course Title	Skill Level	Media Type	Continuing Ed Credit
Facilities Maintenance	CREF301	Packaged Refrigeration Unit Troubleshooting	Intermediate	3D/SIM	
Facilities Maintenance	ELEC201	Diagnosing Circuits: Simple Lighting & Receptacles	Intermediate	3D/SIM	IACET - NATE

Facilities Maintenance	ELEC202	Diagnosing Circuits: 3-Way Lighting	Intermediate	3D/SIM	IACET - NATE
Facilities Maintenance	ELEC205	Light Commercial Electrical: Apartment Facilities Maintenance	Intermediate	3D/SIM	IACET - NATE
Facilities Maintenance	ELEC211	Contactors and Motor Starters	Intermediate	Video	
Facilities Maintenance	ELEC252	Electrically Safe to Work Procedures	Intermediate	3D/SIM	

FACILITIES MAINTENANCE/HVAC - INTERMEDIATE LEVEL

Trade Specialty	Course ID	Course Title	Skill Level	Media Type	Continuing Ed Credit
Facilities Maintenance	HVAC058	Refrigerants Overview	Intermediate		
Facilities Maintenance	HVAC201	Symbols and Wiring Diagrams	Intermediate	Video	IACET - NATE
Facilities Maintenance	HVAC202	Thermostats and Heating Controls	Intermediate	Video	IACET - NATE
Facilities Maintenance	HVAC203	Meters Switches Loads & Circuits	Intermediate	Video	IACET - NATE
Facilities Maintenance	HVAC204	HVAC Motors	Intermediate	Video	IACET - NATE
Facilities Maintenance	HVAC205	Contactors and Motor Starters	Intermediate	Video	IACET - NATE
Facilities Maintenance	HVAC206	Compressor Starting Relays and Capacitors	Intermediate	Video	IACET - NATE
Facilities Maintenance	HVAC207	Troubleshooting Motors	Intermediate	Video	IACET - NATE
Facilities Maintenance	HVAC221	Refrigeration System Accessories	Intermediate	Video	IACET - NATE
Facilities Maintenance	HVAC222	Diagnosing Compressor Problems	Intermediate	Video	IACET - NATE
Facilities Maintenance	HVAC251	EPA Section 608 Prep Course: Core	Intermediate	Video	IACET - NATE
Facilities Maintenance	HVAC252	EPA Section 608 Prep Course: Type I	Intermediate	Video	IACET - NATE
Facilities Maintenance	HVAC253	EPA Section 608 Prep Course: Type II	Intermediate	Video	IACET - NATE
Facilities Maintenance	HVAC254	EPA Section 608 Prep Course: Type III	Intermediate	Video	IACET - NATE
Facilities Maintenance	HVAC255	EPA Section 608 Prep Course: Chart Applications & Test Prep	Intermediate	Video	
Facilities Maintenance	HVAC274	Leak Evacuation and Charging	Intermediate	3D/SIM	IACET - NATE

Facilities Maintenance	HVAC350	Rooftop Unit Maintenance	Intermediate	3D/SIM	
Facilities Maintenance	HVAC352	VRF Outdoor Unit Maintenance	Intermediate	3D/SIM	
Facilities Maintenance	HVAC602	Fluid Cooler Seasonal Maintenance	Intermediate	3D/SIM	

FACILITIES MAINTENANCE/PLUMBING - INTERMEDIATE LEVEL

Trade Specialty	Course ID	Course Title	Skill Level	Media Type	Continuing Ed Credit
Facilities Maintenance	PLMB119	Drain Cleaning Overview	Intermediate	Video	
Facilities Maintenance	PLMB120	Plastic Joining Methods	Intermediate	Video	
Facilities Maintenance	PLMB207	Pipe Repair Procedures - Metallic Piping	Intermediate		

FACILITIES MAINTENANCE - ADVANCED LEVEL

Trade Specialty	Course ID	Course Title	Skill Level	Media Type	Continuing Ed Credit
Facilities Maintenance	CREF302	Walk-in Freezer Troubleshooting	Advanced	3D/SIM	
Facilities Maintenance	HVAC223	Diagnosing A/C Systems	Advanced	Video	IACET - NATE
Facilities Maintenance	HVAC301	Residential A/C Troubleshooting	Advanced	3D/SIM	IACET - NATE
Facilities Maintenance	HVAC311	Gas Boiler Troubleshooting	Advanced	3D/SIM	IACET - NATE
Facilities Maintenance	HVAC331	Commercial A/C Troubleshooting (3 Phase Compressor)	Advanced	3D/SIM	IACET - NATE
Facilities Maintenance	HVAC341	Heat Pump Troubleshooting (Residential)	Advanced	3D/SIM	IACET - NATE
Facilities Maintenance	HVAC351	Rooftop Unit Troubleshooting	Advanced	3D/SIM	IACET - NATE
Facilities Maintenance	HVAC375	Mini Split Troubleshooting	Advanced	3D/SIM	
Facilities Maintenance	HVAC505	Variable Refrigerant Flow (VRF) Troubleshooting	Advanced	3D/SIM	
Facilities Maintenance	HVAC700	Chiller Troubleshooting	Advanced	3D/SIM	
Facilities Maintenance	HVAC701	Gas Rooftop Refrigeration Troubleshooting	Advanced	3D/SIM	
Facilities Maintenance	PLMB201	Electric Water Heater Troubleshooting	Advanced	3D/SIM	IACET - NATE

Facilities Maintenance	PLMB202	Toilet Troubleshooting and Replacement	Advanced	3D/SIM	IACET - NATE
Facilities Maintenance	PLMB203	Kitchen Sink Troubleshooting	Advanced	3D/SIM	IACET - NATE
Facilities Maintenance	PLMB204	Gas Water Heater Troubleshooting	Advanced	3D/SIM	IACET - NATE
Facilities Maintenance	PLMB205	Drain Cleaning Procedures	Advanced	3D/SIM	IACET - NATE
Facilities Maintenance	SOL250	Solar System Troubleshooting	Advanced	3D/SIM	IACET - NABCEP

FACILITIES MAINTENANCE - Q1 2023

Trade Specialty	Course ID	Course Title	Skill Level	Media Type	Continuing Ed Credit
Facilities Maintenance		Basic Pool Mechanics			
Facilities Maintenance		Introduction to Fan Coil Units			
Facilities Maintenance		Fire Alarm System Installation			
Facilities Maintenance		Understanding Commercial Refrigeration Systems			
Facilities Maintenance		Pool Water Chemicals & Balancing			
Facilities Maintenance		Custom Air Handling Unit Preventive & Service Maintenance			
Facilities Maintenance		Flushometer Retrofit			



THE BLUE COLLAR RECRUITER
&
VIRTUAL TRADE SCHOOL

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