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Basic Air Conditioning & Refrigeration 1

An introduction to the HVACR basic fundamentals and terminology, and the applied physics concepts that are utilized in HVACR systems. Acquire comprehensive knowledge in residential split systems, encompassing both furnace and heat pump technologies. Enhance your understanding through hands-on instruction using state-of-the-art Refrigeration Trainers as practical learning equipment. Subjects include measurements, heat, pressure, gas properties, and air properties. Instruction aligns with ANSI/ACCA Quality Installation and ANSI/ ACCA/ ASHRAE Standard180.

Semester/Year	Day	Dates	Times	Instructor	Tuition Cost
Fall 2024	Tuesday & Thursday	10/15/24 – 11/14/2024	5:00 pm – 8:00 pm	Bill Hayes	\$1,599
Spring 2025	Tuesday & Thursday	2/4/2025 – 3/6/2025	5:00 pm – 8:00 pm	Bill Hayes	\$1,599

HVACR Essentials – Tools, Theory, & Techniques

The objective of this course is to prepare students to become entry-level HVACR service technicians. The course focuses on developing safety awareness, proficiency with specialized tools and equipment, and foundational troubleshooting skills. Upon completion, students will be equipped with the knowledge and skills needed to begin a career in the HVACR industry. Topics covered include, but are not limited to safety protocols, equipment and tools usage, gas heating systems, gas pressure adjustments, humidification, brazing techniques, and installation practices.

Semester/Year	Day	Dates	Times	Instructor	Tuition Cost
Fall 2024	Friday & Saturday	9/20/24 – 11/15/24	F: 9:00 am -3:30 pm S: 9:00 am-12:00 pm	Danny Flores	\$1,599
Spring 2025	Friday & Saturday	1/17/25 -3/21/25	F: 9:00 am -3:30 pm S: 9:00 am-12:00 pm	Danny Flores	\$1,599

EPA 608 Certification Review & Tests

This comprehensive course spans three full days, featuring in-depth presentations and practice tests on day one and day two. On the third day, a review session is conducted in the morning, followed by testing in the afternoon. The course includes practice tests for each of the four sections of the certification test: CORE, Type I, Type II, and Type III. After reviewing each section, practice tests are administered, corrected, and utilized for further review and study.

Semester/Year	Day	Dates	Times	Instructor	Tuition Cost
Fall 2024	Tuesday, Wednesday & Thursday	11/19/2024 -11/21/2024	9:00 am – 3:30 pm (30-minute lunch)	Bill Hayes	\$300
Spring 2025	Tuesday, Wednesday & Thursday	3/11/25 -3/13/25	9:00 am – 3:30 pm (30-minute lunch)	Bill Hayes	\$300

CNC Robotics

This course provides comprehensive training for operators, technicians, engineers, and programmers in setting up and programming FANUC 30i/31i/32i Model A & B controls, as well as the 0i Model D and F. It includes a blend of online modules and 32 hours of hands-on instruction with 24 laboratory exercises. Upon successful completion, participants will be awarded the FANUC Machine Setup, Programming, and Machining industry credential.

Semester/Year	Day	Dates	Times	Instructor	Tuition Cost
Fall 2024	Tuesday, Wednesday & Thursday	10/15/24 – 10/30/2024	4:00 pm – 8:00 pm	Tim Gleba	\$2,226

CNC Milling

This course provides comprehensive training for operators, technicians, engineers, and programmers in setting up and programming FANUC 30i/31i/32i Model A & B controls, as well as the 0i Model D and F. It includes a blend of online modules and 32 hours of hands-on instruction with 24 laboratory exercises. Upon successful completion, participants will be awarded the FANUC Machine Setup, Programming, and Machining industry credential.

Semester/Year	Day	Dates	Times	Instructor	Tuition Cost
Fall 2024	Saturday & Sunday	9/7/24, 9/8/24, 9/14/24, 9/15/24	9:00 am – 5:00 pm	Tim Gleba	\$2,226

CNC Turning

This course provides operators, technicians, engineers, and programmers with the skills needed to set up and program the FANUC 30i/31i/32i Model A & B controls, as well as the 0i Model D and F. The training includes online modules and 32 hours of hands-on instruction, featuring 24 laboratory exercises. Upon successful completion, participants will earn the FANUC Machine Setup, Programming, and Turning industry credential.

Semester/Year	Day	Dates	Times	Instructor	Tuition Cost
Fall 2024	Tuesday, Wednesday & Thursday	9/24/24 – 10/9/24	4:00 pm – 8:00 pm	Tim Gleba	\$2,226

Mechatronics

Mechatronics classes provide hands-on training in the integration of mechanical, electrical, and computer systems. Students learn to work with automation technologies, robotics, PLCs (Programmable Logic Controllers), and control systems, preparing them for careers in advanced manufacturing and industrial maintenance.

Fall 2024/Spring 2025	Day	Dates	Times	Instructor	Tuition Cost
Phase 1	Monday	9/9/24-1/13/25	9:00 am – 5:00 pm	Jeff Strickland	\$5,700
Phase 2	Monday	9/9/24 -1/13/25	9:00 am – 5:00 pm	Mike McDonald	\$5,700
Phase 3	Wednesday	9/11/24-1/15/25	9:00 am – 5:00 pm	Mike McDonald	\$6,300
Phase 4	Tuesday	9/10/24-11/26/24	9:00 am – 5:00 pm	Mike McDonald	\$6,300

Practical Applications in Industrial Electrical Work

A glimpse into the everyday job requirements for an industrial electrician. Students will explore job tasks, be introduced to tools, material, construction concepts and discuss the ever-evolving technologies of the electrical trade. Topics include DC Theory, Electrical Safety, Conduit Bending, and Applied Codeology.

Semester/Year	Day	Dates	Times	Instructor	Tuition Cost
Fall 2024 through Spring 2025	Monday	9/9/2024 – 5/19/2025	5:00 pm – 8:30 pm	Mark Pratt	\$3,199