



PROGRAM DETAILS

Core Courses

Course Code	Course Title	Credit Hour
ACR1052	Fundamentals of Refrigeration	4
ACR1101	Fundamentals of Electricity	4
ACR1113	Principles & Applications of Electricity	4
ACR1500	Air Conditioning Systems	3
ACR1152	Electric Motors & Solid State Devices	4
ACR1215	Refrigeration Systems	2
ACR1023	Room Air Conditioning & Domestic Refrig	3
ACR2420	Air Distributions and Balance	3
ACR2310	Advanced Automatic Controls	3
ACR2611	Heating Systems	3
ACR2031	Blue Prints and Design Code	3
ACR2167	Air Conditioning Calculations	4
ACR2770	Chilled- Water Air Conditioning Systems	4
TOTAL		44

General Courses

Course Code	Course Title	Credit Hour
MAC1100	Fundamentals of College Math I	4
AMH2022	US History	4
ECO2000	Principles of Economics	4
SPC1013	Speech	4
TOTAL		16

Total Semester Credit Hours required: 60

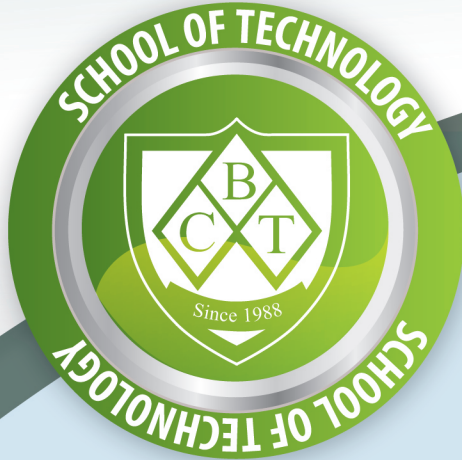
**“Providing Students with
the right tools
to become professionals.”**

- CBT College



Get the Training you need to become a professional

-AS in A/C, Refrigeration & Heating Technology at CBT College



PROGRAM SHOWCASE

The Air Conditioning, Refrigeration, and Heating Technology Associate Degree Program from CBT College is designed to prepare students for a mid level position in the air conditioning, refrigeration and heating industry. The program includes theoretical and hands-on courses in the installation, basic design, maintenance and repair of residential and commercial refrigeration, air conditioning, and heating equipment. The academic curriculum including the general education courses, will prepare the students to take the Journeyman Certification with the County of choice once they have the required years of experience. Unlike trade industries, HVAC and refrigeration technicians can earn a bachelor's degree in their field by going beyond into mechanical systems, refrigeration, and heating and cooling systems. EPA (Environmental Protection Agency) certification is required to work with refrigerants, which is included in CBT College curriculum.

CERTIFICATION GOALS

EPA Section 608 TYPE I, II, III Certifications:

On November 14, 1994, the U.S. Environmental Protection Agency (EPA) implemented the Clean Air Act, which requires certification of personnel who work with refrigerants. Air conditioning and refrigeration personnel today are in a position of increasing responsibility, both to implement procedures resulting from refrigerant regulations and to provide answers to customers' questions and technical problems.

Journeyman in HVAC technology:

CBT College will help students in the preparation for the examination to attain this county license. A journeyman is a person who has completed an apprenticeship program or is an experienced worker, not a trainee, and is fully qualified and able to perform a specific trade without supervision. This license is issued by a County level government agency.

**“Top earners made well
over \$60,000 a year.”***

-Bureau of Labor Statistics

JOB OUTLOOK

The U.S. Bureau of Labor Statistics predicts a 9% job growth rate in the coming decade for this industry, which is on pace with the job market as a whole. HVAC and refrigeration Technicians earned an average of \$40,630 in 2007 (depending on the experience level, certifications, and location). Top earners made well over \$60,000 a year. With virtually all new homes and buildings being built with centralized heating and cooling systems, HVAC and refrigeration technicians can expect continued growth in demand. Demand for refrigeration systems in the food service, healthcare, and other industries also remains steady.

**“Hands-On-Training to prepare you for maintenance, repair
and installation of air conditioning, refrigeration & heating units.”**

-CBT College