

# H.V.A.C TECHNOLOGY

24 MONTHS - 60 CREDITS



COURSE CODE	COURSE TITLE	SEMESTER CR.HR
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	3
ACR1023	Room Air Conditioning & Domestic Refrig.	2
ACR2420	Air Distributions & Balance	3
ACR2310	Advanced Automatic Controls	3
ACR2611	Heating Systems	3
ACR2032	Blue Prints & Design Code	3
MAC1100	Fundamentals of College Math	4
ACR2167	Air Conditioning Calculations	4
AMH2022	US History	4
ECO2000	Principles of Economics	4
ACR2770	Chilled Water Air Conditioning Systems	4
SPC1013	Speech	4

Total Semester Credits **60**

IT'S ALL ABOUT [ *Your Dream* ]

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\*For more information about our graduation rates, the median debt of students who completed the program, and other important information, please visit our website at, [www.cbt.edu/academics/disclosure](http://www.cbt.edu/academics/disclosure).



## Real World Experience

Students have the opportunity to put their skills to work in “**real world situations,**” while still acquiring their education, through programs such as Tech Troopers.

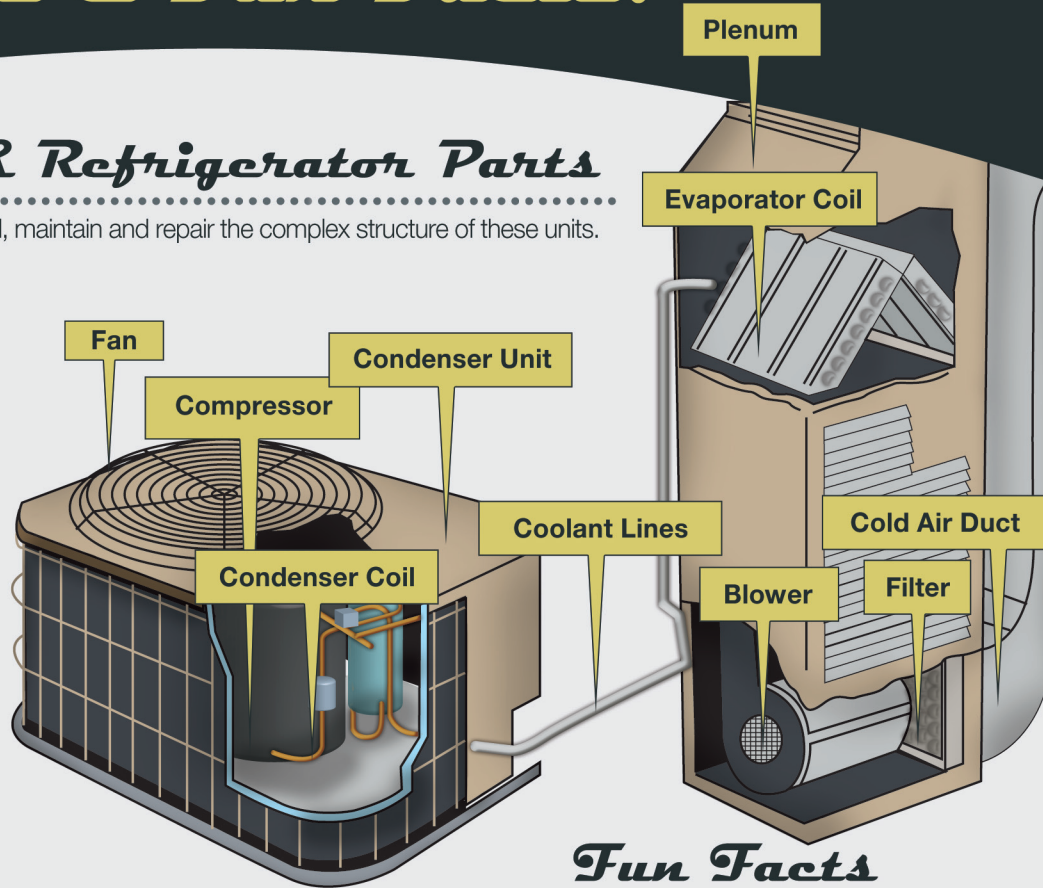
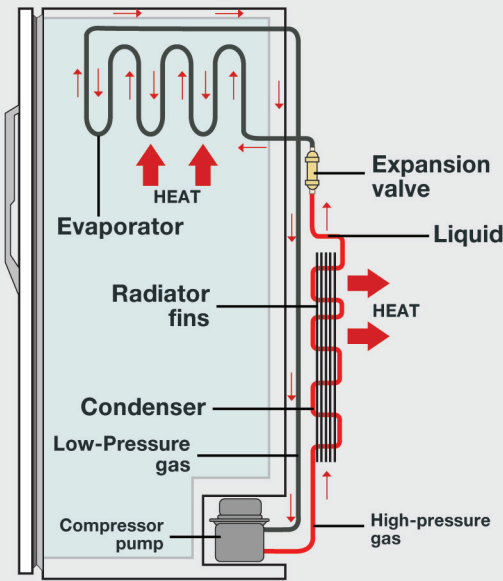


# H.V.A.C Technology

## Stats & Fun Facts!

### Basic AC & Refrigerator Parts

Students will learn how to install, maintain and repair the complex structure of these units.



### Fun Facts



The first household refrigerator was produced by **General Electric** in **1911** by **Maricel Audiffren**.



The first Air Conditioner was invented by **Willis Carrier** in **1902**.



In **1903**, the **New York Exchange Building** was the first to use an A/C unit.



### Employment Statistics

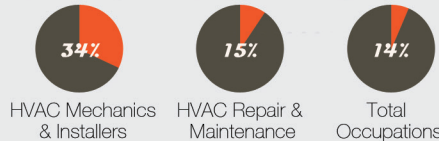
= **2,000** employment number

Texas, Florida, California & New York were the states with the highest employment numbers in 2011.



#### Projected growth 2010-2020

Compared to the other industries, HVAC mechanics & installers have shown a greater percentage in employment change.



#### Certifications

CBT College prepares students to become certified in the following:



- EPA 608 (Universal Technician)
- EPA R-410 A
- EPA PM Technician
- EPA IAQ
- EPA Green Technology
- UNICO CPT Installer

#### Information Sources

- <http://www.bls.gov/oes/current/oes499021.htm>
- <http://www.bls.gov/ooh/Installation-Maintenance-and-Repair/Heating-air-conditioning-and-refrigeration-mechanics-and-installers.htm>
- <http://www.cardomplumbingandheating.com/PlumbingandHeating/2012/04/hvac-fun-facts/>
- <http://federsair.com/blog/?p=60>

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