

ANNOUNCING NEW eLEARNING CURRICULUM OFFERINGS!

NEW PRODUCT

iCONNECT TRAINING IN PROUD PARTNERSHIP WITH HVACREDU.NET ARE PLEASED TO PRESENT OUR NEW eLEARNING CURRICULUM PACKAGES.

HVACedu.net maintains the most extensive selection of online courses related to air conditioning, refrigeration, and building automation. These highly accredited programs are now available to our education customers through this unique iConnect Training offer.



LEARN FROM THE BEST

Developed by Subject Matter Experts and Certified Master HVAC Educators, our partnership with HVACRedu.net provides your program with access to over 1,700 hours of content including over 800 hours of streaming video, over 3,000 downloadable PDF handouts, voiced "learn out loud modules", eBooks, games, animations, simulations, assessments, and other instructional assets.

Heat Energy: Heat Energy is the primary subject in a HVAC technician. To understand it well enough to be a competent technician there are several terms that apply. There are terms that you use when talking, thinking, troubleshooting, servicing a HVAC system. It isn't a small project but it's important to your success. Heat Energy among other things, is what a technician measures. Whether you are putting heat into a space using a heat source or Heat Pump or taking heat out of a space using an evaporative cooler or refrigeration cycle system, Heat Energy is your goal!

So what is Heat Energy?

- It is form of energy which, when added, causes substances to rise in temperature. Heat always flows from a body of higher temperature to a body of lower temperature. Gases associated with motion consist of molecules. Also use latent heat, sensible heat, specific heat, total heat, and heat of the liquid.
- Heat Energy also
- That energy flow temperature like

INTRO TO HEAT ENERGY

SUPER-HEAT **VAPORIZATION** **MELTING OR FUSION** **SPECIFIC HEAT**

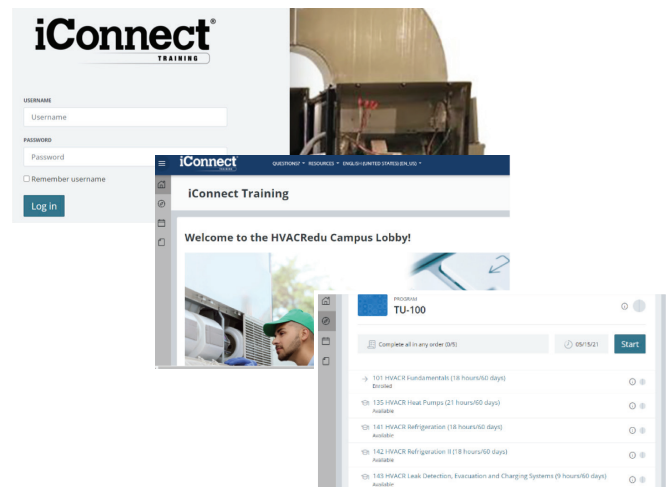
Your GAS IQ is: 80

What does this mean?
Excellent! Looks like you are making great progress in understanding these concepts.

[Review Quiz](#)

eLEARNING CURRICULUM NOW AVAILABLE FOR EACH ICONNECT TRAINING MODEL.

Students can access the HVACRedu.net eLearning package by simply logging in through the program portal from any device. Instructors are set up as a group manager, and have access to their learners' progress tracking, reports, grades, and the enrolled curriculum. A personal dashboard helps students stay on track as they move through the course materials. Learner groups are identified by school and logo on their pages.



CUSTOMIZED EXPERIENCE

We have carefully selected curriculum packages to accompany each iConnect Training unit.

Additional courses can also be selected from HVACRedu.net's extensive catalog. Subscriptions are available for students using their unique user email ID (one subscription per user), and are available at secondary and post-secondary pricing levels. Consider our suggested curriculum bundle featured with each iConnect Training model, or customize your own package from the HVACRedu.net catalog.

TRAINING UNITS

TO THE BASIC REFRIGERATION TRAINER

Refrigeration and air conditioning systems are essential to many industries.

Subscriptions:

- Secondary: \$100.00 (100 hours)
- Post-Secondary: \$150.00 (150 hours)

Features:

- Includes 101 HVACR Fundamentals (18 hours/30 days)
- Includes 125 HVACR Heat Pumps (21 hours/30 days)
- Includes 141 HVACR Refrigeration (18 hours/30 days)
- Includes 142 HVACR Refrigeration (18 hours/30 days)
- Includes 143 HVACR Leak Detection, Evacuation and Charging Systems (9 hours/30 days)

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iConnect Training

Refer to the orange box listing the Suggested Courses on each page of this catalog.

iCONNECT TRAINING'S BASIC REFRIGERATION FUNDAMENTALS CURRICULUM

NEW
PRODUCT

1 PRACTICE SAFE WORK HABITS

- OSHA Regulations
- Safe refrigerant handling practices
- Safe use of a portable fire extinguisher

2 DEMONSTRATE KNOWLEDGE OF REFRIGERATION SCIENCE

- Matter & Energy
- Thermodynamics
- P/T Relationships
- Refrigerants

3 COMFORT CONDITIONS AND TYPES OF COOLING SYSTEMS

- Comfort Conditions
- Identifying Cooling Systems

4 EXPLAIN THE OPERATION OF THE VAPOR COMPRESSION CYCLE

- Vapor compression cycle operation
- Different refrigeration system applications

FEATURES:

- Specifically for use with the TU-805 training unit and the included iManifold 900C kit.
- Smart device for display of iManifold® gauges is not included. The iManifold® app is a free download off the Apple or Android app store.
- Recommended text is *Fundamentals of HVACR*, 3rd Edition, by Carter Stanfield and David Skaves
- Hosted platform by Digitell - they provide technical support
- Delivered online - Power Point presentations, videos, lab sheets and tests are available on the website, lecture notes are sent directly to instructor.
- Lab sheets are downloadable PDF forms
- Lecture notes are emailed to instructor in PDF format
- Unused student licenses will roll over until they are all assigned.
- Once assigned, the student license is 2 year access
- No minimum number of licenses per purchase
- Contact your iConnect® Training representative for pricing and package options

iCONNECT® TRAINING BASIC REFRIGERATION FUNDAMENTALS COURSE BY CARTER STANFIELD AND JASON OBRZUT, CMHE

