

## Universal R-410A

**Aligned Program of Study:** Mechanical, Electrical, & Plumbing (MEP) Systems

**Aligned Course:**

- HVAC (6077)

### Description

R-410A has replaced R-22 as the preferred refrigerant for use in residential and commercial air conditioners in the United States. No new EPA certification is necessary for working with R-410A since Section 608 training includes training for all refrigerants including R-410A. EPA Section 608 Type II or Universal certification is required to handle R-410A. However, due to the higher pressure nature of R-410A, many suppliers and manufacturers agree that additional specific R-410A training is a wise choice.

As an additional (safety) certification, students may pursue the Universal R-410A certification. The exam validates a person has the retained knowledge to safely work with R-410A refrigerant and helps reduce liability. The certification was created to address the issues of safe handling of R-410A, a refrigerant with a much higher vapor pressure than R-22 (which has been phased out). Exam content includes information on the R-22 phase out, refrigeration and air conditioning systems fundamentals, refrigerant chemistry and applications, refrigeration oils and their applications, and safety.

### Materials and Resources

Practice tests are available online at <https://www.escogroup.org/training/r410a.aspx>.

### Testing Sites

Tests are taken online or by paper at the school and must be given by a proctor following Esco guidelines.

### Test Owner and Registration

Esco Institute\*  
Post Office Box 521  
Mount Prospect, IL 60056  
Phone: (800) 726-9696  
Fax: (800) 546-3726

\*Other organizations have also been approved by the EPA to administer the exam.

## Registration Procedures

Schools should begin by calling Esco Group to request a proctor application. After selecting a proctor and completing the application, Esco will provide the school with information about pricing. The exams may be administered as a paper test or as an online test at the school. The online test is available at a lower cost than the paper test. The online test provides the school with immediate test results.

<b>Website</b>	<a href="https://www.escogroup.org/training/r410a.aspx">https://www.escogroup.org/training/r410a.aspx</a>
<b>Number of Questions</b>	Unknown
<b>Type of Questions</b>	Multiple choice
<b>Length of Test</b>	Unknown
<b>Passing Score</b>	Unknown
<b>Price</b>	Varies; Contact Esco for pricing.