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](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.

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<thead>
<tr>
<th>Website</th>
<th><a href="https://www.escogroup.org/training/r410a.aspx">https://www.escogroup.org/training/r410a.aspx</a></th>
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