

HVAC

Careers: HVAC

A career in the HVAC industry involves many professionals. From service technicians to engineers, there are many potential career choices within the HVAC field. The program allows you to hear first-hand from employees in these areas and what you can expect from the HVAC industry. Learn how service technicians, engineers, draftspersons and other professionals spend their days on the job. A supplement is included.

CEV00787 (VHS/DVD) \$99.00

HVAC: The Refrigeration Cycle

With computer animation and an actual air conditioning system, students view and understand the purpose of the four major HVAC components (compressor, condenser, evaporator and metering device) as they relate to the refrigeration cycle. The function of the refrigeration cycle is to absorb heat at one location and dispose of it in another location. Proper understanding of the vapor compression refrigeration cycle is necessary for anyone entering the field of air conditioning or refrigeration. The pressure-temperature relationship of the refrigerant as it flows through the cycle will be explained, along with brief discussions on refrigerants and basic terminology. A supplement is included.

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HVAC: Service & Installation Tools

The first step to working in the HVAC industry is learning about the most widely used tools and materials and how to properly handle them. The presentation is designed to educate students on service and installation tools, such as reamers, tube benders and tube cutters. An air conditioning and refrigeration technology professor demonstrates 15 tools. A supplement is included.

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HVAC: Equipment & Test Instruments

The presentation provides education for students interested in the HVAC industry. The expert demonstrates equipment and test instruments, such as an electronic charging scale, a sling psychrometer and ammeters. Almost 20 different pieces of equipment and test instruments are covered in the presentation. A supplement is included.

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