

REFRIGERATION SERVICE ENGINEER SOCIETY (HVAC) CERTIFICATE OF ACHIEVEMENT

This certificate is designed to prepare students for advanced level of employment. These training courses are aligned with the North American Technician Excellence (NATE) industry organization. Technicians who successfully complete one or more of these courses may receive credit toward renewing their NATE certification.

Code	Title	Units
Required Courses		
HVAC/R 050C	Compressors, Condensers and Cooling Towers	3
HVAC/R 051C	Heating Fundamentals	3
HVAC/R 052C	Heating Transfer & Distribution	3
HVAC/R 055C	Gas Heating	3
HVAC/R 056C	Hot Water Heating	3
HVAC/R 057C	Tools, Controls, and Troubleshooting	3
HVAC/R 060C	Troubleshooting Refrigeration and A/C Electricity 4	3
HVAC/R 061C	Troubleshooting Refrigeration and A/C Electricity 5	3
HVAC/R 062C	RSES Electricity and Electricity Lab for HVAC/R Technicians	4
HVAC/R 065C	RSES Technical Institute Heat Pump Training Course Volume I	3
HVAC/R 066C	RSES Technical Institute Heat Pump Training Course Volume II	3
HVAC/R 067C	RSES Technical Institute Training Manual 3 Volume I	3
HVAC/R 068C	RSES Technical Institute Training Manual 3 Volume II	3
Total Units		40

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

- Distinguish between electrical systems, components and circuits by successful interpretation of schematics and diagrams
- Compare and categorize operation and components of typical refrigeration, heating and humidifying system
- Distinguish between and demonstrate the ability to correctly use different HVAC/R trade tools and meters
- Demonstrate safe work practices and use required personal protective equipment
- Design, build, troubleshoot and service HVAC/R equipment