

RESIDENTIAL HEATING, AIR CONDITIONING AND REFRIGERATION (CERTIFICATE)

Manufacturing and Construction

Program website (<https://www.harpercollege.edu/academics/manufacturing/hvac/residential-heating-ac-certificate.php>)

Program Overview

This 19 credit-hour certificate program is designed provide students the skills set to perform preventative maintenance and repairs to residential heating, air conditioning and refrigeration systems. Emphasis is placed on practical application to perform system diagnostics and develop troubleshooting techniques.

Program Requirements

Code	Title	Hours
Required		
ELT 110	Introductory Electronics	4
HVA 101	Refrigeration Fundamentals	3
HVA 103	Heating Principles	3
HVA 105	Heating and Cooling Controls	3
HVA 108	Domestic Refrigeration Appliances	3
MTH 100	Applied Math for Technical Careers ¹	3
Total Hours		19

¹ Students may take MTH 100, MTH 101 or higher.

Gainful Employment

Harper College provides Gainful Employment information to comply with the U.S. Department of Education.