



Heating, Ventilation, Air Conditioning, & Refrigeration

(Offered at KC - Longview)

HVACR Technician Certificate (HARG)

First Semester

Course		Semester Hours
HART 1307	Refrigeration Principles	3
HART 1341	Residential Air Conditioning	3
ELPT 1311	Basic Electrical Theory	3
DFTG 1325	Blueprint Reading and Sketching	3
ENTC 1347	Safety and Ergonomics	3

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Second Semester

Course		Semester Hours
INTC 1353	Analog Controls II	3
HART 1391	Special Topics in Heating, Air Conditioning & Refrigeration—Professional Development	3
HART 2434	Advanced Air Conditioning Controls	4
HART 2336	Air Conditioning Troubleshooting	3

13

Third Semester

Course		Semester Hours
HART 1345	Gas and Electric Heating	3
HART 2449	Heat Pumps	4
HART 2445	Residential Air Conditioning Systems Design	4
HART 1382	Cooperative Education-Heating, Air Conditioning, Ventilation, & Refrigeration Maintenance Technology/Technician**	3

14

Total Hours 42

+ Course of study identification number

**Capstone Experience.

Developmental requirements will be determined by the instructional program.

Students are required to purchase their own basic hand tools from a basic hand tool list made available on the first class day.

Note: A student who completes the required courses with an overall average of C may receive a certificate in Heating, Ventilation, Air Conditioning, & Refrigeration Technology.