



# Curriculum Map

## Knox Technical Center

### HVACR (Heating, Ventilation, Air Conditioning, Refrigeration)

HVACR Course Sequence		Class Hours	Total Laboratory Hours	Total Course Hours
Course #	Course Name			
HVC111	Introduction to HVACR <ul style="list-style-type: none"> <li>Professional Development</li> <li>Refrigeration System Fundamentals</li> <li>Service Basics</li> <li>Refrigerants</li> </ul>	73	108	181
HVC200	Employability		4	4
HVC211	Electrical <ul style="list-style-type: none"> <li>Basic Electricity, Magnetism &amp; Electronics</li> <li>Motors &amp; Electric Control Systems</li> </ul>	35	52	87
HVC221	Introduction to Refrigeration <ul style="list-style-type: none"> <li>Refrigeration System Components</li> <li>Domestic Refrigerators &amp; Freezers</li> </ul>	35	52	87
HVC300	Employability		4	4
HVC311	Air Conditioning <ul style="list-style-type: none"> <li>Indoor Air Fundamentals</li> <li>Air Conditioning Systems</li> </ul>	35	51	86
HVC321	Heating <ul style="list-style-type: none"> <li>Heating Systems</li> <li>Energy Management &amp; Conservation</li> </ul>	35	51	86
HVC400	Employability		4	4
HVC411	Commercial Refrigeration <ul style="list-style-type: none"> <li>Commercial Refrigeration Systems</li> <li>Designing Commercial Refrigeration Systems</li> <li>Installing &amp; Servicing Commercial Systems</li> </ul> Career Services  Review for EPA 608 EPA Universal 608 Exam	70	72	142
Total Program Hours		<b>283</b>	<b>402</b>	<b>685</b>

Hours in session: 685 total hours    **Weeks in session: 43**

**Calendar: August 3, 2021 through May 26, 2022**

**Work Based Learning taught throughout HVACR Program**