



# KTC 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
<b>Total Program Hours</b>		<b>283</b>	<b>402</b>	<b>685</b>

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

Calendar: August 2022 through May 2023

Revised 10-4-2021