

HVAC-R Industry Introduction (C35100-11) | 13 Total Credits

Coursework emphasizes developing and improving critical thinking, articulation, and technical skills. Advanced topics include residential and light commercial system load design coupled with efficient, balanced, and effective air side designs for ductwork, ventilation, and filtration. You will explore through lectures and hands-on experience, advanced control systems for refrigeration and other mechanical equipment, and Direct Digital Controls (DDC). You will also explore how modern residential and light commercial systems improve efficiency and reliability through an integration with today's building automation systems and wireless technologies. To see how this connects with the full degree, view the course sequence [here](#).

Prefix/Course	Credits	Pre-Req	Semester Offered	Transfer
AHR 110 – Introduction to Refrigeration	5	None		no
AHR 111 – HVACR Electricity	3	None		no
AHR 130 – HVAC Controls	3	AHR 111*		no
AHR 160 – Refrigerant Certification	1	None		no
AHR 180 – HVACR Customer Relations	1	None		no

**Must be completed prior to taking this course.*

Total Pathway Credit hours: 13

Eligibility Requirements

To be eligible for enrollment, a high school student must meet the following criteria:

- Be a high school junior or senior
- Have an unweighted GPA of 2.8 or greater or Benchmark test scores or have the recommendation of the high school principal or his/her designee

Note: This pathway is an option for some high school freshmen and sophomores, however; different eligibility criteria apply. Please view this on our [website](#) under the eligibility criteria for Career and Technical Pathways.

Learn more [HERE](#).