

## 2024-25 ACADEMIC COURSES

### HVA 101 : HVAC I

This course introduces the concept of thermodynamics and principles of refrigeration. Major units covered include refrigeration systems, refrigerants, refrigerant tables, contaminants, dryers, moisture in the air, refrigeration components (i.e. compressors, condensers, evaporators, metering device motors and accessories) and defrost systems. The components and operation of residential furnaces will be discussed. An overview of heating and A/C systems and components will be provided from an operation and service perspective. HVAC mathematics will be introduced and used to convert temperatures between Fahrenheit and Celsius. Level I Prerequisite: Academic Reading and Writing Levels of 6; Academic Math Level 2 or concurrent enrollment in MTH 067

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Description	Hours
Credits	4
Lecture Hours	60
Clinical Hours	0
Lab Hours	30
Other Hours	0
Total Hours	90

Accurate as of 01/13/2025 Information is subject to change without notice.