

General Basic HVAC Maintenance Certificate

This vocational certificate provides the student with the fundamentals necessary to gain employment in the area of maintenance in the heating and air conditioning field. It is 23 credit hours of basic knowledge in heating ventilation air conditioning, industrial safety, electrical wiring and plumbing. This certificate is the beginning completion point for students in the HVAC field and verifies that the student can demonstrate several basic HVAC skills as they relate to building maintenance.

Suggested/Sample Course Sequence

The sequence taken by the student may vary depending on prerequisites, course availability, and personal/ professional responsibilities.

(Major Code 3790; State CIP Code 47.0201)

- Gainful Employment -HVAC (<http://www.jccc.edu/hvac/ge-hvac.html>)
- HVAC (<http://www.jccc.edu/hvac>)

First Semester

HVAC 121	Basic Principles of HVAC*	4
HVAC 123	Electromechanical Systems	4
HVAC 155	Workplace Skills	1
ELTE 125	Residential Wiring Methods*	4
Total Hours		13

Second Semester

HVAC 167	Sheet Metal Layout and Fabrication	3
HVAC 146	Plumbing Systems Applications	3
INDT 125	Industrial Safety/OSHA 30	3
HVAC 150	Refrigerant Management and Certification	1
Total Hours		10

Total Program Hours: 23